

Table 1: Data from Scopus (2017-18)

Title of the paper	Name of the Authors	Title of the journals	Year of publication	Citation Index	Institutional affiliation as mentioned in the publication
Green synthesized silver nanoparticles destroy multidrug resistant bacteria via reactive oxygen species mediated membrane damage	Das B., Dash S.K., Mandal D., Ghosh T., Chattopadhyay S., Tripathy S., Das S., Dey S.K., Das D., Roy S.	Arabian Journal of Chemistry	2017	52	Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721 102, India; Department of Chemistry, University of Calcutta, 92, A. P. C. Road, Kolkata, 700 009, India; Department of Physiology, Santal Bidroha Sardha Satabarsiki Mahavidyalaya, Goaltore, Paschim Midnapore West Bengal 711 221, India
Reduced Graphene Oxide α -Zinc Sulfide Composite for Solar Light Responsive Photo Current Generation and Photocatalytic 4-Nitrophenol Reduction	Ibrahim S., Chakrabarty S., Ghosh S., Pal T.	ChemistrySelect	2017	21	Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India; Department of Physics, Midnapore College, Midnapore, 721101, India
Fuzzy \bar{I} -tolerance competition graphs	Pramanik T., Samanta S., Sarkar B., Pal M.	Soft Computing	2017	16	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India; Department of Industrial & Management Engineering, Hanyang University, Ansan Gyeonggi-do, 426 791, South Korea; Department of Mathematics, Joykrishnapur High School (H.S.), Tamluk, 721649, India
Product of intuitionistic fuzzy graphs and degree	Sahoo S., Pal M.	Journal of Intelligent and Fuzzy Systems	2017	15	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Synthesis of an efficient Pyrene based AIE active functional material for selective sensing of 2,4,6-trinitrophenol	Shyamal M., Maity S., Mazumdar P., Sahoo G.P., Maity R., Misra A.	Journal of Photochemistry and Photobiology A: Chemistry	2017	14	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, W.B. 721102, India
Intuitionistic fuzzy tolerance graphs with	Sahoo S., Pal M.	Journal of Applied	2017	13	Department of Applied Mathematics with

application		Mathematics and Computing			Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India
Butea monosperma bark extract mediated green synthesis of silver nanoparticles: Characterization and biomedical applications Butea monosperma bark extract mediated green synthesis of silver nanoparticles	Pattanayak S., Mollick M.M.R., Maity D., Chakraborty S., Dash S.K., Chattopadhyay S., Roy S., Chattopadhyay D., Chakraborty M.	Journal of Saudi Chemical Society	2017	13	Department of Chemistry, West Bengal State University, Barasat, Kolkata, West Bengal 700126, India; Department of Polymer Science & Technology, University of Calcutta, 92, A.P.C. Road, Kolkata, West Bengal 700009, India; Department of Microbiology, Sammilani Mahavidyalaya, Baghajatin, E.M. Bypass, Santoshpur, Kolkata, West Bengal 700094, India; Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721 102, India
One step synthesis of functionalized carbon dots for the ultrasensitive detection of Escherichia coli and iron (III)	Chandra S., Mahto T.K., Chowdhuri A.R., Das B., Sahu S.K.	Sensors and Actuators, B: Chemical	2017	12	Department of Applied Chemistry, Indian Institute of Technology (ISM), Dhanbad, Jharkhand 826004, India; Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore 721102, India
Aggregation induced emission enhancement from antipyrine-based schiff base and its selective sensing towards picric acid	Maity S., Shyamal M., Das D., Mazumdar P., Sahoo G.P., Misra A.	Sensors and Actuators, B: Chemical	2017	11	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore West Bengal. 721 102, India
Green synthesis of silver nanoparticles using Pongamia pinnata seed: Characterization, antibacterial property, and spectroscopic investigation of interaction with human serum albumin	Beg M., Maji A., Mandal A.K., Das S., Aktara M.N., Jha P.K., Hossain M.	Journal of Molecular Recognition	2017	11	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India; School of Medical Science and Technology, Indian Institute of Technology, Kharagpur, 721302, India
Comparison of GIS-based interpolation methods for spatial distribution of soil organic carbon (SOC)	Bhunja G.S., Shit P.K., Maiti R.	Journal of the Saudi Society of Agricultural Sciences	2018	10	Bihar Remote Sensing Application Center, IGSC-Planetarium, Adalatganj, Bailey Road, Patna, Bihar 800001, India; Dept. of

					Geography, Raja N.L. Khan Women's College, Gope Palace, Medinipur, West Bengal 721102, India; Dept. of Geography and Environment Management, Vidyasagar University, Medinipur, West Bengal 721102, India
Conic scalarization approach to solve multi-choice multi-objective transportation problem with interval goal	Roy S.K., Maity G., Weber G.W., Gök S.Z.A.	Annals of Operations Research	2017	10	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India; Institute of Applied Mathematics, Middle East Technical University, Ankara, 06800, Turkey; Department of Mathematics, Faculty of Arts and Science, Suleyman Demirel University, Isparta, 32260, Turkey
Synergistic effect of zinc selenide-reduced graphene oxide towards enhanced solar light-responsive photocurrent generation and photocatalytic 4-nitrophenol degradation	Chakraborty K., Chakrabarty S., Pal T., Ghosh S.	New Journal of Chemistry	2017	10	Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102 WB, India; Department of Physics, Midnapore College, Midnapore, 721101 WB, India
Single-Ion Magnetic Behavior in CoII-CoIII Mixed-Valence Dinuclear and Pseudodinuclear Complexes	Manna S., Bhunia A., Mistri S., Vallejo J., Zangrando E., Puschmann H., Cano J., Manna S.C.	European Journal of Inorganic Chemistry	2017	10	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Institut de Ciència Molecular (ICMol), Universitat de València, Paterna, Valencia 46980, Spain; Department of Chemical and Pharmaceutical Sciences, University of Trieste, Trieste, 34127, Italy; Department of Chemistry, University of Durham, South Road, Durham, DH1 3LE, United Kingdom; Fundació General de la Universitat de València (FGUV), Universitat de València, Paterna, València 46980, Spain
Aggregation induced emission based turn-off fluorescent chemosensor for selective and swift sensing of mercury (II) ions in water	Shyamal M., Maity S., Maity A., Maity R., Roy S., Misra A.	Sensors and Actuators, B: Chemical	2018	9	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, W.B. 721102, India
Imperfect production inventory model with production rate dependent defective rate and	Manna A.K., Dey J.K., Mondal S.K.	Computers and Industrial Engineering	2017	9	Department of Applied Mathematics with Oceanology and Computer Programming,

advertisement dependent demand					Vidyasagar University, Midnapore, WB 721102, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, WB 721628, India
Reduced Graphene Oxide - Zinc Phthalocyanine Composites as Fascinating Material for Optoelectronic and Photocatalytic Applications	Das P., Chakraborty K., Chakrabarty S., Ghosh S., Pal T.	ChemistrySelect	2017	9	Department of Physics, Midnapore College, Midnapore, 721101, India; Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India
The crucial role and regulations of miRNAs in zebrafish development	Bhattacharya M., Sharma A.R., Sharma G., Patra B.C., Nam J.-S., Chakraborty C., Lee S.-S.	Protoplasma	2017	9	Aquaculture Research Unit, Department of Zoology, Vidyasagar University, Midnapore, West Bengal 721102, India; Institute for Skeletal Aging & Orthopedic Surgery, Hallym University-Chuncheon Sacred Heart Hospital, Chuncheon, 200704, South Korea; Amity Institute of Nanotechnology, Amity University Uttar Pradesh, Noida, 201313, India; Department of Bio-informatics, School of Computer and Information Sciences, Galgotias University, Greater Noida, 201306, India; Department of Orthopedic Surgery, Hallym University Hospital-College of Medicine, Chuncheon-si, Gangwon-do 200-704, South Korea
Spectroscopic interaction study of human serum albumin and human hemoglobin with Mersilea quadrifolia leaves extract mediated silver nanoparticles having antibacterial and anticancer activity	Maji A., Beg M., Mandal A.K., Das S., Jha P.K., Kumar A., Sarwar S., Hossain M., Chakrabarti P.	Journal of Molecular Structure	2017	8	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore West Bengal 721102, India; Chemical Biology Laboratory, Department of Sericulture, Raiganj University, Uttar Dinajpur West Bengal 733134, India; School of Medical Science and Technology, Indian Institute of Technology, Kharagpur, West Bengal 721302, India; ANMOL Laboratory, Department of Biotechnology, University of North Bengal West Bengal 734013, India; Department of Biochemistry, Bose Institute, P1/12 CIT Scheme VIIM, Kolkata, West Bengal 700054, India
A profit maximizing solid transportation model	Das A., Bera U.K.,	IEEE Transactions on	2017	8	Department of Mathematics, National

under a rough interval approach	Maiti M.	Fuzzy Systems			Institute of Technology Agartala, Agartala, 799046, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721102, India
A solid transportation model with product blending and parameters as rough variables	Kundu P., Kar M.B., Kar S., Pal T., Maiti M.	Soft Computing	2017	8	Department of Mathematics and Statistics, IISER Kolkata, Mohanpur, 741252, India; Department of Computer Science, Heritage Institute of Technology, Kolkata, 700107, India; Department of Mathematics, National Institute of Technology (NIT), Durgapur, 713209, India; Department of Computer Science and Engineering, National Institute of Technology (NIT), Durgapur, 713209, India; Department of Applied Mathematics, Vidyasagar University, Midnapur, 721102, India
Desertification in western Rajasthan (India): an assessment using remote sensing derived rain-use efficiency and residual trend methods	Kundu A., Patel N.R., Saha S.K., Dutta D.	Natural Hazards	2017	8	Department of Soil, Water, Land Engineering and Management, Sam Higginbottom Institute of Agriculture, Technology and Sciences, Allahabad, Uttar Pradesh, India; Centre of Atmosphere, Ocean and Space Studies, University of Allahabad, Allahabad, Uttar Pradesh, India; Indian Institute of Remote Sensing, Indian Space Research Organisation, Dehradun, Uttarakhand, India; Centre for Space Science and Technology Education in Asia and the Pacific, Dehradun, Uttarakhand, India; Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, West Bengal, India
Nanoarchitectures by hierarchical self-assembly of ursolic acid: entrapment and release of fluorophores including anticancer drug doxorubicin	Bag B.G., Das S., Hasan S.N., Chandan Barai A.	RSC Advances	2017	8	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
Nitrogen-rich carbon nano-onions for oxygen reduction reaction	Chatterjee K., Ashokkumar M., Gullapalli H., Gong Y., Vajtai R.,	Carbon	2018	7	Department of Material Science and NanoEngineering, Rice University, Houston, TX 77005, United States; Department of Physics and Technophysics, Vidyasagar

	Thanikaivelan P., Ajayan P.M.				University, Midnapore 721102, India; Advanced Materials Laboratory, CSIR- Central Leather Research Institute, Adyar, Chennai, 600020, India
Study of the interaction of human serum albumin with <i>Alstonia scholaris</i> leaf extract-mediated silver nanoparticles having bactericidal property	Maji A., Beg M., Mandal A.K., Das S., Jha P.K., Hossain M.	Process Biochemistry	2017	7	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore West Bengal 721102, India; Chemical Biology Laboratory, Department of Sericulture, Raiganj University, Uttar Dinajpur West Bengal 733134, India; School of Medical Science and Technology, Indian Institute of Technology, Kharagpur, West Bengal 721302, India
Photocatalytic and Antibacterial Performance of γ -Fe ₂ O ₃ Nanostructures	Jana T.K., Pal A., Mandal A.K., Sarwar S., Chakrabarti P., Chatterjee K.	ChemistrySelect	2017	7	Dept of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India; Chemical Biology Laboratory, Dept. of Sericulture, Raiganj University, Raiganj, 733134, India; Department of Biochemistry, Bose Institute, Kolkata, 700054, India
Multi-objective two-stage grey transportation problem using utility function with goals	Roy S.K., Maity G., Weber G.-W.	Central European Journal of Operations Research	2017	6	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India; Institute of Applied Mathematics, Middle East Technical University, Ankara, 06800, Turkey
Structural characterization and antioxidant activity of a glucan from <i>Meripilus giganteus</i>	Maity P., Nandi A.K., Manna D.K., Pattanayak M., Sen I.K., Bhanja S.K., Samanta S., Panda B.C., Paloi S., Acharya K., Islam S.S.	Carbohydrate Polymers	2017	6	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Molecular and Applied Mycology and Plant Pathology Laboratory, Department of Botany, University of Calcutta, 35, Ballygunge Circular Road, Kolkata, West Bengal 700019, India
Multi-item EPQ model with learning effect on imperfect production over fuzzy-random planning horizon	Manna A.K., Das B., Dey J.K., Mondal S.K.	Journal of Management Analytics	2017	6	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, WB 721102, India; Department of Mathematics, Sidho-Kanho-Birsha University, Purulia,

					WB, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, WB 721628, India
Minimizing cost and time through single objective function in multi-choice interval valued transportation problem	Roy S.K., Maity G.	Journal of Intelligent and Fuzzy Systems	2017	6	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India
Analysis of triangular intuitionistic fuzzy matrix games using robust ranking	Bhaumik A., Roy S.K., Li D.-F.	Journal of Intelligent and Fuzzy Systems	2017	6	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal, India; School of Economics and Management, Fuzhou University, Fuzhou, Fujian, 350108, China
Covering and paired domination in intuitionistic fuzzy graphs	Sahoo S., Pal M., Rashmanlou H., Borzooei R.A.	Journal of Intelligent and Fuzzy Systems	2017	6	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, India; Young Researchers and Elite Club, Central Tehran Branch, Islamic Azad University, Tehran, Iran; Department of Mathematics, Shahid Beheshti University, Tehran, Iran
Evaluation of soil loss estimation using the RUSLE model and SCS-CN method in hillslope mining areas	Kayet N., Pathak K., Chakrabarty A., Sahoo S.	International Soil and Water Conservation Research	2018	5	Department of Mining Engineering, Indian Institute of Technology, Kharagpur, India; Department of Remote Sensing & GIS, Vidyasagar University, Midnapore, India; School of Water Resources, Indian Institute of Technology Kharagpur, India
Spectroscopic investigation on interaction of biogenic, Croton bonplandianum leaves extract mediated potential bactericidal silver nanoparticles with human hemoglobin and human serum albumin	Beg M., Maji A., Mandal A.K., Das S., Jha P.K., Hossain M.	Journal of Biomolecular Structure and Dynamics	2018	5	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India; School of Medical Science and Technology, Indian Institute of Technology, Kharagpur, West Bengal 721302, India
Genus value of m -polar fuzzy graphs	Mandal S., Sahoo S., Ghorai G., Pal M.	Journal of Intelligent and Fuzzy Systems	2018	5	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, India

Analysis of inventory control model with shortage under time-dependent demand and time-varying holding cost including stochastic deterioration	Pervin M., Roy S.K., Weber G.-W.	Annals of Operations Research	2018	5	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India; Institute of Applied Mathematics, Middle East Technical University, Ankara, 06800, Turkey
Mean and CV reduction methods on Gaussian type-2 fuzzy set and its application to a multilevel profit transportation problem in a two-stage supply chain network	Jana D.K., Pramanik S., Maiti M.	Neural Computing and Applications	2017	5	Department of Applied Science, Haldia Institute of Technology, Haldia, Purba Midnapur, West Bengal 721657, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721 102, India
A supply chain with variable demand under three level trade credit policy	Pramanik P., Maiti M.K., Maiti M.	Computers and Industrial Engineering	2017	5	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, Paschim-Medinipur West Bengal 721102, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, Purba-Medinipur West Bengal 721628, India
Structural elucidation and immunostimulating property of a novel polysaccharide extracted from an edible mushroom <i>Lentinus fusipes</i>	Manna D.K., Maity P., Nandi A.K., Pattanayak M., Panda B.C., Mandal A.K., Tripathy S., Acharya K., Sahoo A.K., Gupta N., Roy S., Islam S.S.	Carbohydrate Polymers	2017	5	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721 102, India; Molecular and Applied Mycology and Plant Pathology Laboratory, Department of Botany, University of Calcutta, 35, Ballygunge Circular Road, Kolkata, West Bengal 700019, India; Regional Plant Resource Centre, Bhubaneswar, Odisha 751015, India
One-pot synthesis of multifunctional nanoscale metal-organic frameworks as an effective antibacterial agent against multidrug-resistant	Chowdhuri A.R., Das B., Kumar A., Tripathy S., Roy S.,	Nanotechnology	2017	5	Department of Applied Chemistry, Indian Institute of Technology (ISM), Dhanbad, Jharkhand, 826004, India; Immunology and

Staphylococcus aureus	Sahu S.K.				Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, 721102, India
Modular and homomorphic product of intuitionistic fuzzy graphs and their degree	Sahoo S., Pal M.	International Journal of Computing Science and Mathematics	2017	5	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India
1D, 2D, and 2D Parallel Interpenetrated Dicarboxylato Bridged Co(II) Metal Organic Frameworks: Synthesis, Crystal Structure, Fluorescence Sensing and Band Gap Calculation	Mistri S., Zangrando E., VojtÄĀjek P., Manna S.C.	ChemistrySelect	2017	5	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Chemical and Pharmaceutical Sciences, University of Trieste, Trieste, 34127, Italy; Department of Inorganic Chemistry, Charles University in Prague, Hlavova 2030/8, Prague 2, 128 43, Czech Republic
New Silver(I) Coordination Polymers with Hetero Donor Ligands: Synthesis, Structure, Luminescence Study and Photo-Catalytic Behavior	Kulovi S., Dalbera S., Das S., Zangrando E., Puschmann H., Dalai S.	ChemistrySelect	2017	5	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Chemical and Pharmaceutical Sciences, University of Trieste, Trieste, 34127, Italy; Department of Chemistry, Durham University, Darham, DH13LE, United Kingdom
Intramolecular macrolactonization, photophysical and biological studies of new class of polycyclic pyrrole derivatives	Mondal S.K., Mandal A., Manna S.K., Ali S.A., Hossain M., Venugopal V., Jana A., Samanta S.	Organic and Biomolecular Chemistry	2017	5	Department of Chemistry, Bidhannagar College, Kolkata, 700064, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Centre for Chemical Biology, CSIR-Indian Institute of Chemical Technology, Hyderabad, 500007, India; Division of Natural Product Chemistry, CSIR-Indian Institute of Chemical Technology, Hyderabad, 500007, India; Academy of Scientific and Innovative research (AcSIR), CSIR-Indian Institute of Chemical Technology, Hyderabad, 500007,

					India
Significant enhancement of power conversion efficiency of dye-sensitized solar cells by the incorporation of TiO ₂ @Au nanocomposite in TiO ₂ photoanode	Bhardwaj S., Pal A., Chatterjee K., Rana T.H., Bhattacharya G., Roy S.S., Chowdhury P., Sharma G.D., Biswas S.	Journal of Materials Science	2018	4	Department of Physics, The LNM Institute of Information Technology, Jamdoli, Jaipur, 302031, India; Vidyasagar University, Midnapore, 721102, India; Department of Physics, School of Natural Sciences, Shiv Nadar University, Gautam Buddha Nagar, Uttar Pradesh 201314, India; Jaypee Institute of Information Technology, Noida, 201 307, India
Defuzzification and application of trapezoidal type-2 fuzzy variables to green solid transportation problem	Das A., Bera U.K., Maiti M.	Soft Computing	2018	4	Department of Mathematics, National Institute of Technology Agartala, Jirania, West Tripura 799046, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, West Bengal 721102, India
Gel-Emulsion Properties of Nontoxic Nicotinic Acid-Derived Glucose Sensor	Roy A., Roy S., Pradhan A., Maiti Choudhury S., Ranjan Nayak R.	Industrial and Engineering Chemistry Research	2018	4	Department of Chemistry and Chemical Technology, Vidyasagar University, Paschim, Medinipur, 721 102, India; Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, 721 102, India; Lipid Science and Technology Division, Indian Institute of Chemical Technology, Hyderabad, Telangana, 500 007, India
Magnetic and electric properties of Ni-doped ZnO nanoparticles exhibit diluted magnetic semiconductor in nature	Samanta A., Goswami M.N., Mahapatra P.K.	Journal of Alloys and Compounds	2018	4	Department of Physics & Techno-Physics, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Physics, Midnapore College, Midnapore, West Bengal 721101, India; Department of Physics, ITER, SOA University, Bhubaneswar, Odisha 751030, India
Certain types of edge irregular intuitionistic fuzzy graphs	Sahoo S., Pal M.	Journal of Intelligent and Fuzzy Systems	2018	4	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Enhanced biodegradation of mixed PAHs by mutated naphthalene 1,2-dioxygenase encoded by	Dutta K., Shityakov S., Das P.P., Ghosh	3 Biotech	2017	4	Microbiology and Immunology Laboratory, Department of Human Physiology with

Pseudomonas putida strain KD6 isolated from petroleum refinery waste	C.				Community Health, Vidyasagar University, Midnapore-721 102, Midnapore, West Bengal, India; Department of Anaesthesia and Critical Care, University of Würzburg, Würzburg, Germany
Urban expansion and wetland shrinkage estimation using a GIS-based model in the East Kolkata Wetland, India	Mondal B., Dolui G., Pramanik M., Maity S., Biswas S.S., Pal R.	Ecological Indicators	2017	4	Center for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, India; Dept. of Geography and Environment Management, Vidyasagar University, Midnapore West Bengal, India; The Centre for International Politics, Organization and Disarmament, Jawaharlal Nehru University, New Delhi, India
A fuzzy multi-criteria group decision making based on ranking interval type-2 fuzzy variables and an application to transportation mode selection problem	Kundu P., Kar S., Maiti M.	Soft Computing	2017	4	Department of Mathematics, National Institute of Technology, Durgapur, WB 713209, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapur, 721102, India
Dynamic surface properties of mixed monolayers of polystyrene micro- and nanoparticles with DPPC	Bykov A.G., Gochev G., Loglio G., Miller R., Panda A.K., Noskov B.A.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2017	4	Department of Colloid Chemistry, St. Petersburg State University, Universitetsky pr. 26, St. Petersburg, 198504, Russian Federation; Max-Planck-Institute for Colloid and Interface Science, GolmD-14476, Germany; Institute of Physical Chemistry, Bulgarian Academy of Sciences, Sofia, 1113, Bulgaria; CNR Istituito per l'Energetica e le Interfasi, Genova, Italy; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal, India
A two-echelon inventory model with stock-dependent demand and variable holding cost for deteriorating items	Pervin M., Roy S.K., Weber G.W.	Numerical Algebra, Control and Optimization	2017	4	Department of Applied Mathematics with Oceanology, Vidyasagar University, Midnapore, West Bengal 721102, India; Institute of Applied Mathematics, Middle East Technical University, Ankara, 06800, Turkey
A New Class of Boronic Acid-Derived	Roy S., Maiti M.,	ChemistrySelect	2017	4	Department of Chemistry and Chemical

Amphiphile-Based Gel Emulsions Capable of Entrapping and Releasing Vitamin B12 and Doxorubicin	Roy A.				Technology, Vidyasagar University, Paschim Medinipur, West Bengal 721 102, India
A theoretical study on the linearity of the Id-T curve of a SiC MESFET for sensor application	Dutta S.	Superlattices and Microstructures	2017	4	Department of Electronics, Vidyasagar University, Midnapur West Bengal 721102, India; Department of Electronic Science, University of Calcutta, 92, A.P.C. Road, Kolkata, West Bengal 700009, India
MHD Flow of Cu-Al ₂ O ₃ /Water hybrid nanofluid in porous channel: Analysis of entropy generation	Das S., Jana R.N., Makinde O.D.	Defect and Diffusion Forum	2017	4	Department of Mathematics, University of Gour Banga, Malda, 732103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721102, India; Faculty of Military Science, Stellenbosch University, Private Bag X2, Saldanha, 7395, South Africa
Suppression of VEGF-induced angiogenesis and tumor growth by <i>Eugenia jambolana</i> , <i>Musa paradisiaca</i> , and <i>Coccinia indica</i> extracts	Raj M. H., Ghosh D., Banerjee R., Salimath B.P.	Pharmaceutical Biology	2017	4	Department of Studies in Biotechnology, Molecular Oncology Lab, University of Mysore, Mysore, India; Department of Bio-Medical Laboratory Science & Management, Vidyasagar University, Midnapore, West Bengal, India; Department of Science & Technology, Government of India, New Delhi, India
Effects of secondary carbon supplement on biofilm-mediated biodegradation of naphthalene by mutated naphthalene 1, 2-dioxygenase encoded by <i>Pseudomonas putida</i> strain KD9	Dutta K., Shityakov S., Khalifa I., Mal A., Moulik S.P., Panda A.K., Ghosh C.	Journal of Hazardous Materials	2018	3	Microbiology and Immunology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Anaesthesia and Critical Care, University of WÄ¼rzburg, WÄ¼rzburg, 97080, Germany; Food Technology Department, Faculty of Agriculture, Benha University, Moshtohor, 13736, Egypt; College of Food Science and Technology, Huazhong Agricultural University, Wuhan, 430070, China; Center for Surface Science,

					Department of Chemistry, Jadavpur University, Kolkata, 700032, India
Protein binding, DFT/TDDFT calculation and catecholase activity of five coordinated distorted square pyramidal/trigonal bipyramidal Cu(II) complexes	Das K., Dolai S., Vojtšjek P., Manna S.C.	Polyhedron	2018	3	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, 721102, India; Department of Inorganic Chemistry, Charles University in Prague, Hlavova 2030/8, Prague 2, 128 43, Czech Republic
A compact study on impact of multiplicative <i>Streptococcus asper</i> inspired biogenic silver nanoparticles as effective photocatalyst, good antibacterial agent and interplay upon interaction with human serum albumin	Das S., Das A., Maji A., Beg M., Singha A., Hossain M.	Journal of Molecular Liquids	2018	3	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721 102, India
Stability and bifurcation analysis of Japanese encephalitis model with/without effects of some control parameters	Panja P., Mondal S.K., Chattopadhyay J.	Computational and Applied Mathematics	2018	3	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, WB 721 102, India; Agricultural and Ecological Research Unit, ISI Kolkata, 203 B.T. Road, Kolkata, India
“Omics” in oral cancer: New approaches for biomarker discovery	Rai V., Mukherjee R., Ghosh A.K., Routray A., Chakraborty C.	Archives of Oral Biology	2018	3	School of Medical Science and Technology, IIT Kharagpur, India; RNLKWC, Vidyasagar University, Midnapur, India; Department of Biotechnology, IIT Kharagpur, India; Department of Electrical Engineering, IIT Kharagpur, India
Mobilization of phenolic antioxidants from grape, apple and pitahaya residues via solid state fungal fermentation and carbohydrase treatment	Zambrano C., Kotogán A., Bencsik O., Papp T., Vágvölgyi C., Mondal K.C., Krisch J., Takš M.	LWT - Food Science and Technology	2018	3	Department of Microbiology, Faculty of Science and Informatics, University of Szeged, Kšp fasor 52, Szeged, H-6726, Hungary; MTA-SZTE “Lendlet” Fungal Pathogenicity Mechanisms Research Group, University of Szeged, Kšp fasor 52, Szeged, H-6726, Hungary; Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India; Institute of Food Engineering, Faculty of Engineering, University of Szeged, Mars r 7, Szeged, H-6724, Hungary

Intelligent Water Management: a Triangular Type-2 Intuitionistic Fuzzy Matrix Games Approach	Roy S.K., Bhaumik A.	Water Resources Management	2018	3	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India
Arjunolic acid improves the serum level of vitamin B12 and folate in the process of the attenuation of arsenic induced uterine oxidative stress	Maity M., Perveen H., Dash M., Jana S., Khatun S., Dey A., Mandal A.K., Chattopadhyay S.	Biological Trace Element Research	2018	3	Department of Biomedical Laboratory Science and Management, Vidyasagar University, Midnapore, West Bengal 721102, India; Clinical Nutrition and Dietetics Division, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India; Chemical Biology Laboratory, Department of Sericulture, Raiganj University, Uttar Dinajpur West Bengal 733134, India
The consequence of NAC on sodium arsenite-induced uterine oxidative stress	Dash M., Maity M., Dey A., Perveen H., Khatun S., Jana L., Chattopadhyay S.	Toxicology Reports	2018	3	Department of Biomedical Laboratory Science and Management, Clinical Nutrition and Dietetics division (UGC Innovative Department), Vidyasagar University, Midnapore, West Bengal 721102, India
Occurrence of a novel tannase (tan BLP) in endophytic Streptomyces sp. AL1L from the leaf of Ailanthus excelsa Roxb	Roy S., Parvin R., Ghosh S., Bhattacharya S., Maity S., Banerjee D.	3 Biotech	2018	3	Microbiology and Microbial Biotechnology Laboratory, Department of Botany, Vidyasagar University, Midnapore, West Bengal, India; PG Department of Biotechnology, Oriental Institute of Science and Technology, Midnapore, West Bengal, India
Hollingâ€Tanner model with Beddingtonâ€DeAngelis functional response and time delay introducing harvesting	Roy B., Roy S.K., Gurung D.B.	Mathematics and Computers in Simulation	2017	3	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, W.B. 721102, India; Department of Natural Sciences (Mathematics Group), Kathmandu University Kathmandu, Nepal
Sensitive and robust colorimetric assay of Hg ²⁺ and S ²⁻ in aqueous solution directed by 5-sulfosalicylic acid-stabilized silver nanoparticles for wide range application in real samples	Das S., Aktara M.N., Sahoo N.K., Jha P.K., Hossain M.	Journal of Environmental Chemical Engineering	2017	3	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal, 721102, India; School of Medical Science and Technology,

					Indian Institute of Technology, Kharagpur, 721302, India
The effect of Mo doping on the structural and dielectric properties of Co-Zn ferrite	Pradhan A.K., Mandal P.R., Bera K., Saha S., Nath T.K.	Physica B: Condensed Matter	2017	3	Department of Physics and Techno Physics, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Physics, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal 721302, India
Structural characterization and evaluation of prebiotic activity of oil palm kernel cake mannanoligosaccharides	Kalidas N.R., Saminathan M., Ismail I.S., Abas F., Maity P., Islam S.S., Manshoor N., Shaari K.	Food Chemistry	2017	3	Institute of Bioscience, Universiti Putra Malaysia, UPM Serdang, Selangor 43400, Malaysia; Department of Animal Science, Faculty of Agriculture, UPM Serdang, Selangor 43400, Malaysia; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore 721102 West Bengal, India; Faculty of Pharmacy, Universiti Teknologi Mara, Bandar Puncak Alam, Selangor 42300, Malaysia
(\hat{a}, \hat{a}^q) -bipolar fuzzy BCK/BCI-algebras	Jana C., Pal M., Saied A.B.	Missouri Journal of Mathematical Sciences	2017	3	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Department of pure Mathematics, Faculty of Mathematics and Computer, Shahid Bahonar University of Kerman, Kerman, Iran
Partial reversible data hiding scheme using (7, 4) hamming code	Jana B., Giri D., Mondal S.K.	Multimedia Tools and Applications	2017	3	Department of Computer Science, Vidyasagar University, Midnapore, West Bengal Pin-721102, India; Department of Computer Science and Engineering, Haldia Institute of Technology, Haldia, West Bengal Pin-721657, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, Pin-721102, India
Three level partial trade credit with promotional cost sharing	Pramanik P., Maiti M.K., Maiti M.	Applied Soft Computing Journal	2017	3	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, Paschim-

					Medinipur, West Bengal 721102, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, Purba-Medinipur, West Bengal 721628, India
Surface modification minimizes the toxicity of silver nanoparticles: an in vitro and in vivo study	Das B., Tripathy S., Adhikary J., Chattopadhyay S., Mandal D., Dash S.K., Das S., Dey A., Dey S.K., Das D., Roy S.	Journal of Biological Inorganic Chemistry	2017	3	Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721 102, India; Department of Chemistry, Calcutta University, Kolkata, West Bengal, India; Department of Physiology, Santal Bidroha Sardha Satabarsiki Mahavidyalaya, Goaltore, Paschim Midnapore, West Bengal 711221, India; Department of Chemical Sciences, Ariel University, Ariel, Israel; Department of Physiology, Michigan State University, East Lansing, MI 48824, United States
An inventory model under development cost-dependent imperfect production and reliability-dependent demand	Khara B., Dey J.K., Mondal S.K.	Journal of Management Analytics	2017	3	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, WB, India; Department of Mathematics, Mahishadal Raj Collge, Purba Medinipur, WB, India
Molecular binding of toxic phenothiazinium derivatives, azures to bovine serum albumin: A comparative spectroscopic, calorimetric, and in silico study	Das S., Islam M.M., Jana G.C., Patra A., Jha P.K., Hossain M.	Journal of Molecular Recognition	2017	3	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal, India; Department of Chemistry, Aliah University, Kolkata, West Bengal, India; SMST, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, India
Video traffic analytics for large scale surveillance	Kanrar S., Mandal N.K.	Multimedia Tools and Applications	2017	3	Vehere Interactive Pvt Ltd, Calcutta, West Bengal 700053, India; Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India
Atanassov's intuitionistic fuzzy bi-normed KU-subalgebras of a KU-algebra	Senapati T., Shum K.P.	Missouri Journal of Mathematical Sciences	2017	3	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Institute of Mathematics, Yunnan

					University, Kunming, 650091, China
Structural and magnetic characterization of three tetranuclear Cu(II) complexes with face-sharing-dicubane/double-open-cubane like core framework	Paul A., Bertolasi V., Figuerola A., Manna S.C.	Journal of Solid State Chemistry	2017	3	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Dipartimento di Scienze Chimiche e Farmaceutiche, Centro di Strutturistica Diffraattometrica, Universit� di Ferrara, Via L. Borsari, 46, Ferrara, 44100, Italy; Departament de Qu�mica Inorg�nica i Org�nica (Secci� de Qu�mica Inorg�nica) and Institut de Nanoci�ncia i Nanotecnologia (IN2UB), Universitat de Barcelona, Mart� i Franqu�s 1-11, Barcelona, 08028, Spain
An intelligent hybrid algorithm for 4- dimensional TSP	Maity S., Roy A., Maiti M.	Journal of Industrial Information Integration	2017	3	Dept. of Computer Science, Vidyasagar University, Medinipur, WB 721102, India; Dept. of Computer Science, P.K. College, Contai, Purba Medinipur, WB 721401, India; Dept. of Applied Mathematics, Vidyasagar University, Medinipur, WB 721102, India
Polysaccharide of an edible truffle Tuber rufum: Structural studies and effects on human lymphocytes	Pattanayak M., Samanta S., Maity P., Manna D.K., Sen I.K., Nandi A.K., Panda B.C., Chattopadhyay S., Roy S., Sahoo A.K., Gupta N., Islam S.S.	International Journal of Biological Macromolecules	2017	3	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore West Bengal 721102, India; Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore West Bengal 721102, India; Regional Plant Resource Centre, Bhubaneswar, Odisha 751015, India
Nonclassicality in an atom�molecule Bose�Einstein condensate: Higher-order squeezing, antibunching and entanglement	Giri S.K., Thapliyal K., Sen B., Pathak A.	Physica A: Statistical Mechanics and its Applications	2017	3	Department of Physics, Panskura Banamali College, Panskura, 721152, India; Department of Physics, Vidyasagar University, Midnapore, 721102, India; Jaypee Institute of Information Technology, A-10, Sector-62, Noida, UP 201307, India; Department of Physics, Vidyasagar Teachers� Training College Midnapore

					721101, India
Reversible watermarking scheme using PVD-DE	Pal P., Chowdhuri P., Jana B.	Communications in Computer and Information Science	2017	3	Department of Computer Science, Vidyasagar University, Midnapore, 721102, India
Proton induced green emission from AIEE active 2,2â€² biquinoline hydrosol and its selective fluorescence turn-on sensing property towards Zn ²⁺ ion in water	Mazumdar P., Maity S., Das D., Samanta S., Shyamal M., Misra A.	Sensors and Actuators, B: Chemical	2017	3	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, W.B. 721 102, India
A hospital based epidemiological study of snakebite in Paschim Medinipur district, West Bengal, India	Sarkhel S., Ghosh R., Mana K., Gantait K.	Toxicology Reports	2017	3	Department of Human Physiology with Community Health, Vidyasagar University, Paschim Medinipur West Bengal 721102, India; Department of Medicine, Midnapur Medical College, Paschim Medinipur West Bengal 721102, India
Natural convection near a moving vertical plate with ramped heat and mass fluxes in the presence of thermal radiation	Das S., Jana R.N., Makinde O.D.	Defect and Diffusion Forum	2017	3	Department of Mathematics, University of Gour Banga, Malda, 732103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721102, India; Faculty of Military Science, Stellenbosch University, Private Bag X2, Saldanha, 7395, South Africa
Electrophoretic deposition of plasmonic nanocomposite for the fabrication of dye-sensitized solar cells	Bhardwaj S., Pal A., Chatterjee K., Chowdhury P., Saha S., Barman A., Rana T.H., Sharma G.D., Biswas S.	Indian Journal of Pure and Applied Physics	2017	3	Department of Physics, LNM Institute of Information Technology, Jaipur, 302 031, India; Vidyasagar University, Midnapore, 721 102, India; Jaypee Institute of Information Technology, Noida, 201 307, India; S N Bose National Centre for Basic Sciences, Kolkata, 700 098, India
Coordinating particle swarm optimization, ant colony optimization and k-opt algorithm for traveling salesman problem	Khan I., Maiti M.K., Maiti M.	Communications in Computer and Information Science	2017	3	Department of Computer Science, Chandrakon Vidyasagar Mahavidyalaya, Paschim-Medinipur West Bengal 721201, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, Purba-Medinipur, West Bengal 721628, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Paschim-Medinipur West Bengal, India

Structural and Magnetic Characterization of Two Tetranuclear Cu(II) Complexes with Closed-Cubane-Like Core Framework	Manna S.C., Manna S., Paul A., Zangrando E., Figuerola A., Dolai S., Das K.	ChemistrySelect	2017	3	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Chemical and Pharmaceutical Sciences, University of Trieste, Trieste, 34127, Italy; Departament de Química Inorgànica i Orgànica (Secció de Química Inorgànica), Universitat de Barcelona, Martí i Franquès 11, Barcelona, 08028, Spain; Institut de Nanociència i Nanotecnologia (IN2UB), Universitat de Barcelona, Martí i Franquès 11, Barcelona, 08028, Spain
An EPQ model with promotional demand in random planning horizon: population varying genetic algorithm approach	Manna A.K., Das B., Dey J.K., Mondal S.K.	Journal of Intelligent Manufacturing	2018	2	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, WB 721102, India; Department of Mathematics, Sidho-Kanho-Birsha University, Purulia, WB, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, WB 721628, India
DNA/Protein Binding, Molecular Docking and Cytotoxicity Studies of PiperazinyI-Moiety-Based Copper(II) Complexes	Mistri S., Patra A., Santra M.K., Paul D., Zangrando E., Puschmann H., Manna S.C.	ChemistrySelect	2018	2	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; National Centre for Cell Science, NCCS Complex, Pune University Campus Ganeshkhind, Pune, Maharashtra 411 007, India; Department of Chemical and Pharmaceutical Sciences, University of Trieste, Trieste, 34127, Italy; Department of Chemistry, University of Durham, South Road, Durham, DH1 3LE, United Kingdom
Biomonitoring role of some cellular markers during heat stress-induced changes in highly representative fresh water mollusc, <i>Bellamya bengalensis</i> : Implication in climate change and biological adaptation	Dutta S.M., Mustafi S.B., Raha S., Chakraborty S.K.	Ecotoxicology and Environmental Safety	2018	2	Department of Zoology, Vidyasagar University, Midnapore, West Bengal, India; PG Department of Biological sciences, Midnapore City College, Midnapore, West Bengal, India; Dept. of Crystallography and Molecular Biology, Saha Institute of Nuclear Physics, Kolkata, West Bengal, India;

					Department of Research and Development, Burst Biologics, 3501 W Elder Street, Boise, Idaho, United States
Seasonal characteristics of black carbon aerosol mass concentrations and influence of meteorology, New Delhi (India)	Sharma M.C., Pandey V.K., Kumar R., Latief S.U., Chakraborty E., Acharya P.	Urban Climate	2018	2	Center for the Study of Regional Development, Jawaharlal Nehru University, New Delhi, 110067, India; Department of Geography and Environment Management, Vidyasagar University, Midnapore, 721102, India
Two layers supply chain in an imperfect production inventory model with two storage facilities under reliability consideration	Manna A.K., Dey J.K., Mondal S.K.	Journal of Industrial and Production Engineering	2018	2	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, India
Investigation of Structural and Electrical properties of ZnS and Mn doped ZnS nanoparticle	Bera K., Saha S., Chandra Jana P.	Materials Today: Proceedings	2018	2	Department of Physics and TechnoPhysics, Vidyasagar University, Midnapore, 721102, India
Isolation, identification and characterization of Klebsiella pneumoniae from infected farmed Indian Major Carp Labeo rohita (Hamilton 1822) in West Bengal, India	Das A., Acharya S., Behera B.K., Paria P., Bhowmick S., Parida P.K., Das B.K.	Aquaculture	2018	2	ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, West Bengal 700120, India; Department of Zoology, Vidyasagar University, Medinipur, West Bengal 721102, India
Application of Interval Type-2 Fuzzy Logic to polypropylene business policy in a petrochemical plant in India	Jana D.K., Castillo O., Pramanik S., Maiti M.	Journal of the Saudi Society of Agricultural Sciences	2018	2	Department of Engineering Science, Haldia Institute of Technology, Haldia, Purba Midnapur 721 657 West Bengal, India; Tijuana Institute of Technology, Tijuana, Mexico; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721 102, India
Prediction of power transmission coefficient and the aspect ratio of a single mode trapezoidal index fiber by using splice loss technique	Chowdhury A.R., Dutta I., Mallick A.K., Sarkar S.	Optik	2018	2	University of Calcutta, Department of Electronic Science, 92A.P.C. Road, Kolkata, 700009, India; University of Calcutta, Centre for Research in Nanoscience and Nanotechnology, Salt Lake, Kolkata, 700098, India; Vidyasagar University, Department of Electronics, Midnapore, 721102, India

Concept of integrity and its value of fuzzy graphs	Saravanan M., Sujatha R., Sundareswaran R., Sahoo S., Pal M.	Journal of Intelligent and Fuzzy Systems	2018	2	Department of Mathematics, St. Joseph's College of Engineering, Old Mahabalipuram Road, Chennai, Tamil Nadu, India; Department of Mathematics, SSN College of Engineering, Old Mahabalipuram Road, Chennai, Tamil Nadu, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, India
Computation of shortest path in a vague network by euclidean distance	Rashmanlou H., Sahoo S., Borzooei R.A., Pal M., Lakdashti A.	Journal of Multiple- Valued Logic and Soft Computing	2018	2	Young Researchers and Elite Club, Central Tehran Branch, Islamic Azad University Tehran, Iran; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Department of Mathematics, Shahid Beheshti University, Tehran, Iran; Department of Computer Science, University College of Rouzbahan, Sari, Iran
L(3,2,1)- and L(4,3,2,1)-labeling problems on interval graphs	Amanathulla S., Pal M.	AKCE International Journal of Graphs and Combinatorics	2017	2	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Analysis of Carcinogenic Heavy Metals in Gallstones and its Role in Gallbladder Carcinogenesis	Mondal B., Maulik D., Mandal M., Sarkar G.N., Sengupta S., Ghosh D.	Journal of Gastrointestinal Cancer	2017	2	Department of Bio-Medical Laboratory Science & Management, Vidyasagar University, Midnapore, 721102, India; Department of Pathology, Bankura Sammilani Medical College, Bankura, 722101, India; Department of General Surgery, Bankura Sammilani Medical College, Bankura, 722101, India; School of Medical Science and Technology, Indian Institute of Technology, Kharagpur, 721302, India; Department of Community Medicine, Bankura Sammilani Medical College, Bankura, 722101, India
t-derivations on complicated subtraction algebras	Jana C., Senapati T., Pal M.	Journal of Discrete Mathematical	2017	2	Department of Applied Mathematics with Oceanology & Computer Programming,

		Sciences and Cryptography			Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Mathematics, Padima Janakalyan Banipith, Kukurakhupi, West Bengal 721517, India
Synthesis, in vitro evaluation of antibacterial, antifungal and larvicidal activities of pyrazole/pyridine based compounds and their nanocrystalline MS (M = Cu and Cd) derivatives	Mondal G., Jana H., Acharjya M., Santra A., Bera P., Jana A., Panja A., Bera P.	Medicinal Chemistry Research	2017	2	Post Graduate Department of Chemistry, Panskura Banamali College, Vidyasagar University, Midnapore (E), West Bengal 721152, India; Department of Microbiology, Panskura Banamali College, Vidyasagar University, Midnapore (E), West Bengal 721152, India
AC and DC electrical conductivity, dielectric and magnetic properties of $\text{Co}_{0.65}\text{Zn}_{0.35}\text{Fe}_{2-x}\text{MoxO}_4$ (x = 0.0, 0.1 and 0.2) ferrites	Pradhan A.K., Saha S., Nath T.K.	Applied Physics A: Materials Science and Processing	2017	2	Department of Physics and Techno Physics, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Physics, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal 721302, India
Effects of toxicants on Phytoplankton-Zooplankton-Fish dynamics and harvesting	Panja P., Mondal S.K., Jana D.K.	Chaos, Solitons and Fractals	2017	2	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore - 721102, W.B., India; Department of Applied Science, Haldia Institute of Technology, Haldia, Purba Medinipur-721657, W.B., India
Marine fishes of West Bengal coast, India: Diversity and conservation preclusion	Kar A., Raut S.K., Bhattacharya M., Patra S., Das B.K., Patra B.C.	Regional Studies in Marine Science	2017	2	Centre For Aquaculture Research, Extension & Livelihood, Department of Aquaculture Management & Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Ecology and Ethology Laboratory, Department of Zoology, University of Calcutta, 35, Ballygunge Circular Road, Kolkata, 700019, India; ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, West Bengal 700 120, India; Sabang Sajani Kanta Mahavidyalaya, Lutunia, Paschim Medinipur, West Bengal 721 166, India
Interval type-2 fuzzy logic and its application to	Jana D.K., Pramanik	Soft Computing	2017	2	Department of Engineering Science, Haldia

occupational safety risk performance in industries	S., Sahoo P., Mukherjee A.				Institute of Technology, Haldia, Purba Midnapur, West Bengal 721657, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Mathematics, Calcutta Institute of Technology, Banitabla, Uluberia, Howrah, West Bengal 711316, India; Department of Chemical Engineering, Haldia Institute of Technology, Haldia, West Bengal, India
Electrozymographic evaluation of the attenuation of arsenic induced degradation of hepatic SOD, catalase in an in vitro assay system by pectic polysaccharides of Momordica charantia in combination with curcumin	Perveen H., Dash M., Khatun S., Maity M., Islam S.S., Chattopadhyay S.	Biochemistry and Biophysics Reports	2017	2	Department of Biomedical Laboratory Science and Management, Clinical Nutrition and Dietetics division, (UGC Innovative Department), Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
An integrated production-inventory model with defective item dependent stochastic credit period	Das B.C., Das B., Mondal S.K.	Computers and Industrial Engineering	2017	2	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Department of Mathematics, Jhargram Raj College, Midnapore, 721507, India
Impedance spectroscopy and electric modulus behavior of Molybdenum doped Cobalt-Zinc ferrite	Pradhan A.K., Nath T.K., Saha S.	Materials Research Express	2017	2	Department of Physics and Techno Physics, Vidyasagar University, Midnapore, West-Bengal, 721102, India; Department of Physics, Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, 721302, India
Declassification of census towns in West Bengal: Empirical evidences from Patuli, Bardhaman	Chakraborty S., Chowdhury S., Roy U., Das K.	Economic and Political Weekly	2017	2	Department of Geography and Environment Management, Vidyasagar University, Midnapore, India; Institute of Development Studies Kolkata, Salt Lake, Kolkata, India; Department of Geography, University of Calcutta, Kolkata, India; Department of Geography and Environment Management, Vidyasagar University, Midnapore, West

					Bengal, India
Slip Flow and Radiative Heat Transfer on a Convectively Heated Vertical Cylinder	Das S., Jana R.N., Makinde O.D.	Journal of Engineering Physics and Thermophysics	2017	2	Department of Mathematics, University of Gour Banga, Malda, 732103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721102, India; Faculty of Military Science, Stellenbosch University, Private Bag X2, Saldanha, 7395, South Africa
Analysis of interval programming in different environments and its application to fixed-charge transportation problem	Midya S., Roy S.K.	Discrete Mathematics, Algorithms and Applications	2017	2	Department of Applied Mathematics with Oceanology and Computer Programming Vidyasagar University, Midnapore, West Bengal, 721102, India
A production inventory model with price discounted fuzzy demand using an interval compared hybrid algorithm	Kundu A., Guchhait P., Pramanik P., Kumar Maiti M., Maiti M.	Swarm and Evolutionary Computation	2017	2	Department of Mathematics, NIT, Mahatma Gandhi Avenue, Durgapur, West Bengal 713209, India; Department of Mathematics, Vidyasagar University, Midnapore, Paschim-Medinipur, West Bengal 721102, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, Purba-Medinipur, West Bengal 721628, India
Biopotentiality of Bacillus cereus PB45 for nitrogenous waste detoxification in ex situ model	Barman P., Kati A., Mandal A.K., Bandyopadhyay P., Mohapatra P.K.D.	Aquaculture International	2017	2	Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Genetics and Bioengineering, Faculty of Engineering, Yeditepe University, Kayisdagi, Istanbul, 34755, Turkey; Biostadt India Limited, Poonam Chambers "A" Wing, 6th Floor, Dr. A.B. Road, Worli, Mumbai, Maharashtra 400018, India
Cytomixis with associated chromosomal anomalies and the reproduction of Chlorophytum borivilianum santapau & R. R. Fern	Mandal G.D., Nandi A.K.	Taiwania	2017	2	Department of Botany, Ramsaday College, Howrah, West Bengal, India; Cytogenetics and Molecular Biology Laboratory, Department of Botany & Forestry, Vidyasagar University, Midnapore, West Bengal 721 102, India
Slip flow and radiative heat transfer on a convectively heated vertical cylinder	Das S., Jana R.N., Makinde O.D.	Journal of Engineering Physics and Thermophysics	2017	2	Department of Mathematics, University of Gour Banga, Malda, 732103, India; Department of Applied Mathematics,

					Vidyasagar University, Midnapore, 721102, India; Faculty of Military Science, Stellenbosch University, Private Bag X2, Saldanha, 7395, South Africa
Impact of detergents on the physicochemical behavior of itraconazole loaded nanostructured lipid carriers	Bhadra A., Karmakar G., Nahak P., Chettri P., Roy B., Guha P., Mandal A.K., Nath R.K., Panda A.K.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2017	2	Department of Pharmaceutics, Himalayan Pharmacy Institute, Majhitar, Rangpo, East Sikkim 737136, India; Department of Chemistry, University of North Bengal, Darjeeling, West Bengal 734013, India; Department of Biotechnology, University of North Bengal, Darjeeling, West Bengal 734013, India; Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Chemistry, Tripura University, Agartala, Tripura 799022, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
Farmers' perceptions of climate change, impacts on freshwater aquaculture and adaptation strategies in climatic change hotspots: A case of the Indian Sundarban delta	Dubey S.K., Trivedi R.K., Chand B.K., Mandal B., Rout S.K.	Environmental Development	2017	2	Department of Aquatic Environment Management, Faculty of Fishery Sciences, West Bengal University of Animal and Fishery Sciences, Kolkata, 700094, India; Directorate of Research, Extension and Farms, West Bengal University of Animal and Fishery Sciences, Kolkata, 700037, India; Department of Aquaculture Management and Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
Synthesis of a new pyridinyl thiazole ligand with hydrazone moiety and its cobalt(III) complex: X-ray crystallography, in vitro evaluation of antibacterial activity	Bera P., Brandão P., Mondal G., Jana H., Jana A., Santra A., Bera P.	Polyhedron	2017	2	Post Graduate Department of Chemistry, Panskura Banamali College, Vidyasagar University, Midnapore (E) West Bengal 721152, India; Department of Chemistry, CICECO, University of Aveiro, Aveiro, 3810-193, Portugal; Department of Microbiology, Panskura Banamali College, Vidyasagar University, Midnapore (E) West Bengal 721152, India

Application of (\hat{I}_\pm, \hat{I}^2) -soft intersectional sets on BCK/BCI-algebras	Jana C., Pal M.	International Journal of Intelligent Systems Technologies and Applications	2017	2	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Elucidation of structural and functional integration of a novel antimicrobial peptide from <i>Antheraea mylitta</i>	Dutta S.R., Gauri S.S., Ghosh T., Halder S.K., DasMohapatra P.K., Mondal K.C., Ghosh A.K.	Bioorganic and Medicinal Chemistry Letters	2017	2	Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, India; Department of Biotechnology, Indian Institute of Technology, Kharagpur, West Bengal, India
First Vesicular Self-Assembly of Crotocebraneic Acid, a Nano-Sized Fourteen Membered Macrocyclic Diterpenic Acid	Bag B.G., Barai A.C., Wijesekera K., Kittakoop P.	ChemistrySelect	2017	2	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Chulabhorn Graduate Institute, Chemical Biology Program, Chulabhorn Royal Academy, Laksi, Bangkok, 10210, Thailand; Chulabhorn Research Institute, Laksi, Bangkok, 10210, Thailand; Center of Excellence on Environmental Health and Toxicology (EHT), CHE, Ministry of Education, Thailand
Rice-based fermented foods and beverages: Functional and nutraceutical properties	Mondal K.C., Ghosh K., Mitra B., Parua S., DasMohapatra P.K.	Fermented Foods: Part II: Technological Interventions	2017	2	Department of Microbiology, Vidyasagar University, Midnapore, 721102, India; Department of Food Science and Technology, College of Agriculture and Life Sciences, Chonbuk National University, Jeonju, Jeollabuk-do 561-756, South Korea; Department of Biotechnology, Fakir Mohan University, Balasore, Odisha, India; Department of Physiology, Bajkul Milani Mahavidyalaya, Purba Medinipur, India
Facile synthesis of nickel oxide thin films from PVP encapsulated nickel sulfide thin films: An efficient material for electrochemical sensing of glucose, hydrogen peroxide and photodegradation of dye	Jana S., Mondal G., Mitra B.C., Bera P., Chakraborty B., Mondal A., Ghosh A.	New Journal of Chemistry	2017	2	Department of Chemistry, University of Calcutta, University College of Science, 92, A. P. C. Road, Kolkata, 700009, India; Department of Chemistry and Physics, Indian Institute of Engineering Science and Technology, Shibpur, Howrah, 711103 WB, India; Department of Chemistry, Panskura

					Banamali College, Vidyasagar University, East Midnapur, 721152 WB, India; Department of Chemistry, Vivekananda Mahavidyalaya, Burdwan, 713103 WB, India
Computation of global reactivity descriptors and first hyper polarisability as a function of torsional angle of donor-acceptor substituted biphenyl ring system	Mandal D., Maity R., Beg H., Salgado-Morán G., Misra A.	Molecular Physics	2018	1	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, India; Departamento de Ciencias Químicas, Facultad de Ciencias Exactas, Universidad Andres Bello, Concepcion, Chile
Expression dynamics of miRNAs and their targets in seed germination conditions reveals miRNA-tasiRNA crosstalk as regulator of seed germination	Sarkar Das S., Yadav S., Singh A., Gautam V., Sarkar A.K., Nandi A.K., Karmakar P., Majee M., Sanan-Mishra N.	Scientific Reports	2018	1	Plant RNAi Biology Group, International Centre for Genetic Engineering and Biotechnology, Aruna Asaf Ali Marg, New Delhi, 110067, India; National Institute of Plant Genome Research, Aruna Asaf Ali marg, New Delhi, 110067, India; Department of Botany and Forestry, Vidyasagar University, Midnapore, West Bengal, India
Evaluation of aberrant metabolism related proteins in oral submucous fibrosis: A pilot study	Rai V., Bose S., Mukherjee R., Sarbajna A., Chakraborty C.	Journal of Oral Biosciences	2018	1	School of Medical Science and Technology, IIT Kharagpur, India; Awadh Dental College and Hospital, Jamshedpur, India; Raja N. L. Khan Women's College, Vidyasagar University, Midnapur, India; National Institute of Cholera and Enteric Diseases, Kolkata, India
Synthesis, crystal structure and DNA/protein binding of tetranuclear Cu(II) complexes with a double-open-cubane like core framework	Paul A., Puschmann H., Manna S.C.	Polyhedron	2018	1	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Chemistry, University of Durham, South Road, Durham, DH1 3LE, United Kingdom
Hall effects on unsteady MHD rotating flow past a periodically accelerated porous plate with slippage	Das S., Tarafdar B., Jana R.N.	European Journal of Mechanics, B/Fluids	2018	1	Department of Mathematics, University of Gour Banga, Malda, 732 103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721 102, India
Discrete and 1D Polymeric Copper(II) Complexes of Tetranuclear Cubane-like Units: Structural and	Manna S.C., Manna S., Mistri S., Patra	ChemistrySelect	2018	1	Department of Chemistry and Chemical Technology, Vidyasagar University,

Magnetic Characterization	A., Zangrando E., Puschmann H., Goddard P.A., Ghannadzadeh S.				Midnapore, West Bengal 721102, India; Department of Pharmaceutical and Chemical Sciences, University of Trieste, Trieste, 34127, Italy; Department of Chemistry, University of Durham, South Road, Durham, DH1 3LE, United Kingdom; Department of Physics, University of Warwick, Gibbet Hill Road, Coventry, CV4 7AL, United Kingdom; Oxford Instruments Nano Science, Tubney Woods, Abingdon, Oxfordshire, OX13 5QX, United Kingdom
MoS ₂ @Carbon Nanotube Porous 3 D Network for Enhanced Oxygen Reduction Reaction	Lee C., Ozden S., Tewari C.S., Park O.-K., Vajtai R., Chatterjee K., Ajayan P.M.	ChemSusChem	2018	1	Department of Material Science and NanoEngineering, Rice University, Houston, TX 77005, United States; Materials Physics and Applications Division, Los Alamos National Laboratory, Los Alamos, NM, United States; Materials Science and Engineering, Indian Institute of Technology, Gandhinagar, Gujarat, India; Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India
A note on "Regular bipolar fuzzy graphs" Neural Computing and Applications 21(1) (2012) 197-205	Ghorai G., Pal M.	Neural Computing and Applications	2018	1	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India
Reduced-Graphene-Oxide Zinc-Telluride Composite: Towards Large-Area Optoelectronic and Photocatalytic Applications	Chakraborty K., Ghosh S., Pal T.	ChemistrySelect	2018	1	Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India; Department of Physics, Midnapore College, Midnapore, 721101, India
Assessment of microbial roles in the bioconversion of paper mill sludge through vermicomposting	Ganguly R.K., Chakraborty S.K.	Journal of Environmental Health Science and Engineering	2018	1	Department of Zoology, Vidyasagar University, Midnapore-West-Bengal, 721102, India
Forest, wetland and biodiversity: Revealing multi-faceted ecological services from ecorestoration of a degraded tropical landscape	Mallick P.H., Chakraborty S.K.	Ecohydrology and Hydrobiology	2018	1	Department of Zoology, Vidyasagar University Midnapore - 721102 West Bengal, India
Solar Light Responsive Photocatalytic Activity of Reduced Graphene Oxide@Zinc Selenide	Chakraborty K., Ibrahim S., Das P.,	Journal of Materials Engineering and	2018	1	Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102,

Nanocomposite	Ghosh S., Pal T.	Performance			India; Department of Physics, Midnapore College, Midnapore, 721101, India
Synthesis, structure, and biological properties of a Co(II) complex with tridentate Schiff base ligand	Jana K., Das S., Maity T., Hossain M., Chandra Debnath S., Chandra Samanta B., Seth S.K.	Journal of Coordination Chemistry	2018	1	Department of Chemistry, University of Kalyani, Nadia, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Paschim Medinipur, India; Department of Chemistry, P. K. College, Purba Medinipur, India; Department of Chemistry, Mugberia Gangadhar Mahavidyalaya, Purba Medinipur, India; Department of Physics, Jadavpur University, Kolkata, India
Reversible data hiding scheme using sub-sampled image exploiting Lagrange's interpolating polynomial	Jana B.	Multimedia Tools and Applications	2018	1	Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India
Mapping the distribution of iron ore minerals and spatial correlation with environmental variables in hilltop mining areas	Kayet N., Pathak K., Chakrabarty A., Sahoo S.	Environmental Earth Sciences	2018	1	Department of Mining Engineering, Indian Institute of Technology, Kharagpur, India; Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, India; School of Water Resources, Indian Institute of Technology, Kharagpur, India
Enhanced reducing sugar production by saccharification of lignocellulosic biomass, Pennisetum species through cellulase from a newly isolated Aspergillus fumigatus	Mohapatra S., Padhy S., Das Mohapatra P.K., Thatoi H.N.	Bioresource Technology	2018	1	Department of Biotechnology, College of Engineering and Technology, Biju Pattnaik University of Technology, Bhubaneswar, 751003, India; Department of Microbiology, Vidyasagar University, Midnapore, 721102, India; Department of Biotechnology, North Orissa University, Sriram Chandra vihar, Takatpur, Baripada, Odisha 757003, India
A method to solve linear programming problem with interval type-2 fuzzy parameters	Kundu P., Majumder S., Kar S., Maiti M.	Fuzzy Optimization and Decision Making	2018	1	Department of Mathematics and Statistics, Indian Institute of Science Education and Research Kolkata, Mohanpur, West Bengal 741246, India; Department of Computer Science and Engineering, National Institute of Technology, Durgapur, Durgapur, West Bengal 713209, India; Department of Mathematics with Oceanology and Computer Programming, National Institute of

					Technology, Durgapur, Durgapur, West Bengal 713209, India; Department of Applied Mathematics with Oceanology and Computer Programming Vidyasagar University, Midnapur, West Bengal 721102, India
Nesting characteristics, floral resources, and foraging activity of <i>Trigona iridipennis</i> Smith in Bankura district of West Bengal, India	Layek U., Karmakar P.	Insectes Sociaux	2018	1	Department of Botany and Forestry, Vidyasagar University, Midnapore, 721102, India
A mathematical study of an imprecise SIR epidemic model with treatment control	Das A., Pal M.	Journal of Applied Mathematics and Computing	2018	1	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721101, India
Traffic analysis and control at proxy server	Kanrar S., Mandal N.K.	Proceedings of the 2017 International Conference on Intelligent Computing and Control Systems, ICICCS 2017	2018	1	Department of Computer Science, Vidyasagar University, Midnapour, India; Department of Electrical Engineering, University of Engineering and Management, Calcutta, India
Frequency performance of a SiC MESFET with a moderately doped buffer layer	Dutta S.	International Journal of Electronics Letters	2018	1	Department of Electronics, Vidyasagar University, Midnapur, West Bengal, India
Dual image based reversible data hiding scheme using (7,4) hamming code	Jana B., Giri D., Kumar Mondal S.	Multimedia Tools and Applications	2018	1	Department of Computer Science, Vidyasagar University, Midnapore, West Bengal Pin-721102, India; Department of Computer Science and Engineering, Haldia Institute of Technology, Haldia, West Bengal Pin-721657, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, Pin-721102, India
MoS ₂ -TiO ₂ nanocomposite with excellent adsorption performance and high antibacterial activity	Pal A., Jana T.K., Roy T., Pradhan A., Maiti R., Choudhury S.M., Chatterjee K.	ChemistrySelect	2018	1	Dept of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India; Dept of Human Physiology with Community Health, Vidyasagar University, Midnapore, 721102, India; Department of Electronics, Derozio Memorial College, Rajarhat Road, Kolkata, 700 136, India
A retrospective study of clinico-epidemiological	Ghosh R., Mana K.,	Toxicology Reports	2018	1	Department of Human Physiology with

profile of snakebite related deaths at a Tertiary care hospital in Midnapore, West Bengal, India	Gantait K., Sarkhel S.				Community Health, Vidyasagar University, Paschim Medinipur West Bengal 721102, India; Department of Medicine, Midnapur Medical College, Paschim Medinipur West Bengal 721102, India
Bifidobacteria and its rice fermented products on diet induced obese mice: Analysis of physical status, serum profile and gene expressions	Ray M., Hor P.K., Ojha D., Soren J.P., Singh S.N., Mondal K.C.	Beneficial Microbes	2018	1	Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, 721102, India; ICMR Virus Unit, I.D. and B.G. Hospital, Dr. S.C. Banerjee Road, Beliaghata, West Bengal, 700010, India; Division of Nutrition, Defence Institute of Physiology and Allied Sciences, Lucknow Road, Timarpur, Delhi, 110054, India
New approach for solving intuitionistic fuzzy multi-objective transportation problem	Roy S.K., Ebrahimnejad A., Verdegay J.L., Das S.	Sadhana - Academy Proceedings in Engineering Sciences	2018	1	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Department of Mathematics, Qaemshahr Branch, Islamic Azad University, Qaemshahr, 47651-61964, Iran; Department of Computer Science and Artificial Intelligence, University of Granada, Granada, 18014, Spain
A Geo-spatial study for analysing temporal responses of NDVI to rainfall	Kundu A., Denis D.M., Patel N.R., Dutta D.	Singapore Journal of Tropical Geography	2018	1	Centre for Geospatial Technologies, Sam Higginbottom University of Agriculture, Technology and Sciences Uttar Pradesh, India; Department of Irrigation and Drainage Engineering, Sam Higginbottom University of Agriculture, Technology and Sciences Uttar Pradesh, India; Department of Agriculture and Soil, Indian Institute of Remote Sensing (ISRO) Uttarakhand, India; Department of Remote Sensing and GIS, Vidyasagar University West Bengal, India
Generalized Intuitionistic Fuzzy Ideals of BCK $\hat{\ast}$ BCI-algebras Based on 3-valued Logic and Its Computational Study	Jana C., Pal M.	Fuzzy Information and Engineering	2017	1	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
A cross-sectional study on water quality in relation	Kisku S., Chini D.S.,	Egyptian Journal of	2017	1	Centre For Aquaculture Research, Extension

to fish diversity of Paschim Medinipur, West Bengal, India through geoinformatics approaches	Bhattacharya M., Kar A., Parua S., Das B.K., Patra B.C.	Aquatic Research			& Livelihood, Department of Aquaculture Management & Technology, Vidyasagar University, Midnapore 721102 West Bengal, India; ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, West Bengal 700 120, India
Relationship between temperament and fatness in 11-year-old children and 17-year-old adolescents from Wrocław, Poland	Kozieł S., Chakraborty R., Bose K.	HOMO- Journal of Comparative Human Biology	2017	1	Department of Anthropology, Hirsfeld Institute of Immunology and Experimental Therapy, Polish Academy of Science, Rudolf Weigiel 12, Wrocław, 53-114, Poland; Department of Anthropology, Dinabandhu Mahavidyalaya, Bongaon, West Bengal, India; Department of Anthropology, Vidyasagar University, Midnapore, West Bengal, India
ZnSb4O6F6: Hydrothermal synthesis, crystal structure and nonlinear optical properties	Ali S.I., Zhang W., Halasyamani P.S., Johansson M.	Journal of Solid State Chemistry	2017	1	Department of Chemistry, Moyna College, Vidyasagar University, Anandapur, West Bengal 721629, India; Department of Chemistry, University of Houston, 112 Fleming Building, Houston, TX 77204-5003, United States; Department of Materials and Environmental Chemistry, Stockholm University, Stockholm, SE-106 91, Sweden
Progressive increase in point mutations associates chloroquine resistance: Even after withdrawal of chloroquine use in India	Das S., Tripathy S., Chattopadhyay S., Das B., Kar Mahapatra S., Hati A.K., Roy S.	International Journal for Parasitology: Drugs and Drug Resistance	2017	1	Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721 102, India; Division of Parasitology, Calcutta School of Tropical Medicine, Kolkata, West Bengal 700073, India; Department of Biotechnology, School of Chemical and Biotechnology, SASTRA University, Thanjavur, Tamil Nadu 613402, India
Application of molecular markers in plant genome analysis: a review	Adhikari S., Saha S., Biswas A., Rana T.S., Bandyopadhyay T.K., Ghosh P.	Nucleus (India)	2017	1	Cytogenetics and Plant Breeding Section, Plant Biotechnology Research Unit, Department of Botany, University of Kalyani, Kalyani, Nadia, West Bengal 741235, India; Cytogenetics and Plant

					Breeding Section, Department of Sericulture, Raiganj University, Uttar Dinajpur, West Bengal 733134, India; Department of Biotechnology, Vidyasagar University, Rangamati, Medinipur, West Bengal 721102, India; Molecular Systematics/Plant Biodiversity & Conservation Biology Division, CSIR-National Botanical Research Institute, Rana Pratap Marg, Lucknow, 226001, India; Department of Molecular Biology and Biotechnology, University of Kalyani, Kalyani, Nadia, West Bengal 741235, India
Ameliorative role of ethyl-acetate fraction of methanolic leaf extract of <i>Camellia sinensis</i> (green tea) on streptozotocin-induced diabetes linked testicular hypofunction in albino rat: A dose-dependent biochemical and genomic transection study	Das B., Biswas B., Ghosh A., Pakhira B.P., Ghosh D.	Journal of Complementary and Integrative Medicine	2017	1	Molecular Medicine and Nutrigenomics Laboratory, Department of Bio-Medical Laboratory Science and Management, Vidyasagar University, Midnapore West Bengal, India; Molecular Medicine and Nutrigenomics Research Laboratory, Department of Bio-Medical Laboratory Science and Management, Vidyasagar University, Midnapore West Bengal, 721102, India
Constrained covering solid travelling salesman problems in uncertain environment	Mukherjee A., Panigrahi G., Kar S., Maiti M.	Journal of Ambient Intelligence and Humanized Computing	2017	1	Department of Mathematics, National Institute of Technology Durgapur, Durgapur, West Bengal 713209, India; Department of Applied Mathematics, Vidyasagar university, Midnapore, West Bengal 721102, India
Acidophilic α -Amylase Production from <i>Aspergillus niger</i> RBP7 Using Potato Peel as Substrate: A Waste to Value Added Approach	Mukherjee R., Paul T., Soren J.P., Halder S.K., Mondal K.C., Pati B.R., Das Mohapatra P.K.	Waste and Biomass Valorization	2017	1	Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India
Cubic implicative ideals of BCK-algebras	Senapati T., Shum K.P.	Missouri Journal of Mathematical Sciences	2017	1	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Institute of Mathematics, Yunnan University, Kunming, 650091, China

Effects on prey-predator with different functional responses	Roy B., Roy S.K., Biswas M.H.A.	International Journal of Biomathematics	2017	1	Department of Applied Mathematics, Department of Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Mathematics Discipline, Science Engineering and Technology School, Khulna University, Khulna, 9208, Bangladesh
Association of Vitamin B12, Lactate Dehydrogenase, and Regulation of NF- κ B in the Mitigation of Sodium Arsenite-Induced ROS Generation in Uterine Tissue by Commercially Available Probiotics	Chattopadhyay S., Khatun S., Maity M., Jana S., Perveen H., Dash M., Dey A., Jana L.R., Maity P.P.	Probiotics and Antimicrobial Proteins	2017	1	Department of Biomedical Laboratory Science and Management, Vidyasagar University, Midnapore, West Bengal 721102, India; Clinical Nutrition and Dietetics division, (UGC Innovative Department), Vidyasagar University, Midnapore, West Bengal 721102, India
Social exclusion and the mindscapes of caste: A study of Kendrapara district of Odisha	Malik S.K.	Marginalities in India: Themes and Perspectives	2017	1	Department of Political Science with Rural Administration, Vidyasagar University, Midnapore, West Bengal, India
L(h1, h2, $\hat{\alpha}$, hm)-Labeling problems on circular-arc graphs	Amanathulla S., Pal M.	Far East Journal of Mathematical Sciences	2017	1	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Some special fixed charge solid transportation problems of substitute and breakable items in crisp and fuzzy environments	Halder (Jana) S., Das B., Panigrahi G., Maiti M.	Computers and Industrial Engineering	2017	1	Department of Mathematics, Midnapore College (Autonomous) Midnapore West Bengal 721101, India; Department of Mathematics, Sidho Kanho Birsha University, Purulia, West Bengal 723104, India; Department of Mathematics, National Institute of Technology, Durgapur, West Bengal 713209, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India
Aspect ratio based nonlinear effects in spot size dependent propagation characteristics of trapezoidal index single mode fiber	Mallick A.K., Sarkar S.	Optik	2017	1	Department of Electronic Science, University of Calcutta, 92 A.P.C. Road, Kolkata, 700009, India; CRNN, University of Calcutta, JD-2, Salt Lake City, Kolkata, West Bengal 700098, India; Department of Electronics, Vidyasagar University,

					Midnapore, 721102, India
Representation of up-algebras in interval-valued intuitionistic fuzzy environment	Senapati T., Muhiuddin G., Shum K.P.	Italian Journal of Pure and Applied Mathematics	2017	1	Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Department of Mathematics, University of Tabuk, Tabuk, 71491, Saudi Arabia; Institute of Mathematics, Yunnan University, Kunming, 650091, China
Arjunolic Acid Improves the Serum Level of Vitamin B12 and Folate in the Process of the Attenuation of Arsenic Induced Uterine Oxidative Stress	Maity M., Perveen H., Dash M., Jana S., Khatun S., Dey A., Mandal A.K., Chattopadhyay S.	Biological Trace Element Research	2017	1	Department of Biomedical Laboratory Science and Management, Vidyasagar University, Midnapore, West Bengal 721102, India; Clinical Nutrition and Dietetics Division (Funded under UGC Innovative Programme), Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India; Chemical Biology Laboratory, Department of Sericulture, Raiganj University, Uttar Dinajpur, West Bengal 733134, India
Solution processable RGO-CdZnS composite for solar light responsive photocatalytic degradation of 4-Nitrophenol	Ibrahim Sk., Chakraborty K., Pal T., Ghosh S.	AIP Conference Proceedings	2017	1	Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India; Department of Physics, Midnapore College, Midnapore, 721101, India
Reduced graphene oxide-CdS nanocomposite with enhanced photocatalytic 4-Nitrophenol degradation	Chakraborty K., Ibrahim S., Das P., Ghosh S., Pal T.	AIP Conference Proceedings	2017	1	Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India; Department of Physics, Midnapore College, Midnapore, 721101, India
Study of nutritional and antibacterial potential of some wild edible mushrooms from Gurguripal Ecoforest, West Bengal, India	Singha K., Pati B.R., Mondal K.C., Mohapatra P.K.D.	Indian Journal of Biotechnology	2017	1	Department of Microbiology, Vidyasagar University, Midnapore, 721102, India
New pyrazole based single precursor for the surfactantless synthesis of visible light responsive PbS nanocrystals: Synthesis, X-ray crystallography of ligand and photocatalytic activity	Santra A., Mondal G., Acharjya M., Bera P., Jana A., Seok S.I., Bera P.	Nano-Structures and Nano-Objects	2017	1	Post Graduate Department of Chemistry, Panskura Banamali College, Vidyasagar University, Panskura R.S, Midnapore (East) West Bengal 721152, India; Department of Chemistry, Indian Institute of Engineering Science and Technology

					(IEST), Shibpur, West Bengal 711103, India; School of Energy and Chemical Engineering, Ulsan National Institute of Science and Technology, 50 UNIST-gil, Eonyang-eup, Ulju-gun, Ulsan, 44919, South Korea
Detailed variational analysis of single mode trapezoidal index fiber involving two simple approximations of fundamental mode with comparison relating accurate prediction of propagation characteristics	Mallick A.K., Sarkar S.	Journal of Modern Optics	2017	1	Department of Electronic Science, University of Calcutta, Kolkata, India; CRNN, University of Calcutta, Kolkata, India; Department of Electronics, Vidyasagar University, Midnapore, India
Infrastructure, education, and economic development in India: A state level analysis	Jana S.K., Karmakar A.K.	Social, Health, and Environmental Infrastructures for Economic Growth	2017	1	Vidyasagar University, India; Department of Economics, Jadavpur University, India
A square pyramidal copper(II) complex of a Schiff base ligand: synthesis, crystal structure, antibacterial and DNA interaction studies	Jana K., Maity T., Mahapatra T.S., Das Mohapatra P.K., Debnath S.C., Das S., Hossain M., Samanta B.C.	Transition Metal Chemistry	2017	1	Department of Chemistry, Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Medinipur, West Bengal 721425, India; Department of Chemistry, Prabhat Kumar College, Contai, Purba Medinipur, West Bengal 721401, India; Department of Chemistry, IIT Kharagpur, Kharagpur, West Bengal 721302, India; Department of Microbiology, Vidyasagar University, Paschim Medinipur, West Bengal 721301, India; Department of Chemistry, University of Kalyani, West Bengal, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Paschim Medinipur, West Bengal 721302, India
Manganese(IV) complex with a polydentate Schiff base ligand: synthesis, crystal structure, TDDFT calculation, electronic absorption and EPR spectral study	Manna S., Mistri S., Bhunia A., Paul A., Zangrando E., Manna S.C.	Journal of Coordination Chemistry	2017	1	Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, India; Department of Pharmaceutical and Chemical Sciences, University of Trieste, Trieste, Italy
Eco-diversity, productivity and distribution frequency of mushrooms in Gurguripal Eco-forest, Paschim Medinipur, West Bengal, India	Singha K., Banerjee A., Pati B.R., das Mohapatra P.K.	Current Research in Environmental and Applied Mycology	2017	1	Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, 721102, India

High-capacity reversible data hiding scheme using dual color image through (7, 4) hamming code	Banerjee A., Jana B.	Lecture Notes in Electrical Engineering	2017	1	Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721101, India
An imperfect EPQ model for deteriorating items with promotional effort dependent demand	Kundu A., Guchhait P., Panigrahi G., Maiti M.	Journal of Intelligent and Fuzzy Systems	2017	1	Department of Mathematics, NIT, Mahatma Gandhi Avenue, Durgapur- West Bengal, 713 209, India; Department of Mathematics, Vidyasagar University, Midnapore, Paschim-Medinipur, West Bengal, India
Screening of health beneficial microbes with potential probiotic characteristics from the traditional rice-based alcoholic beverage, haria	Ray M., Hor P.K., Singh S.N., Mondal K.C.	Acta Biologica Szegediensis	2017	1	Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, 721102, India; Division of Nutrition, Defence Institute of Physiology and Allied Sciences, Delhi, 110054, India
Higher-order quantum dynamics of a generic quadratically-coupled optomechanical system: Entanglement, antibunching and spin squeezing	Mukherjee K., Jana P.C.	Optica Applicata	2017	1	Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India; Department of Physics, Government General Degree College, Gopiballavpur-II, 721517, India
Male contraceptive efficacy of poly herbal formulation, contracept-tm, composed of aqueous extracts of terminalia chebula fruit and musa balbisiana seed in rat	Ghosh A., Pakhira B.P., Tripathy A., Ghosh D.	Pharmaceutical Biology	2017	1	Nutrigenomics & Molecular Medicine Laboratory, Department of Bio-Medical Laboratory Science and Management, Vidyasagar University, Midnapore, India
Ordering and transfer policy and variable deterioration for a warehouse model	Sarkar B., Saren S.	Hacettepe Journal of Mathematics and Statistics	2017	1	Department of Industrial, Management Engineering, Hanyang University, Ansan, Gyeonggi-do 426 791, South Korea; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India
A reduced set of features for chronic kidney disease prediction	Misir R., Mitra M., Samanta R.	Journal of Pathology Informatics	2017	1	Department of Computer Science, Vidyasagar University, Medinipur, India; Department of Computer Science and Application, Expert Systems Laboratory, University of North Bengal, Darjeeling, West Bengal, 734013, India
Optimal control problem for an imperfect production process using fuzzy variational principle	Roul J.N., Maity K., Kar S., Maiti M.	Journal of Intelligent and Fuzzy Systems	2017	1	Patha Bhavana, Visva-Bharati, Santiniketan, W.B., 731235, India; Department of Mathematics, Mugberia Gangadhar

					Mahavidyalaya, Purba Medinipur, W.B., India; Department of Mathematics, National Institute of Technology, Durgapur, W.B., India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, W.B., India
Effect of a three-component bacterial consortium in white shrimp farming for growth, survival and water quality management	Barman P., Raut S., Sen S.K., Shaikh U., Bandyopadhyay P., Mohapatra P.K.D.	Acta Biologica Szegediensis	2017	1	Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, India; Gandhi Institute of Engineering and Technology, Gunupur, Rayagada, Odisha, India; In Gene Research Lab, Biostadt India Ltd., Waluj, Aurangabad, Maharashtra, India; Biostadt India Ltd., Worli, Mumbai, Maharashtra, India
Expression of a nitric oxide synthesizing protein in arterial endothelial cells in response to different anti-anginal agents used in acute coronary syndromes	Bank S., Jana P., Girish G.Gv., Sinha A.K., Maiti S.	Protein and Peptide Letters	2017	1	Cell and Molecular Therapeutic Lab, Department of Biochemistry, Vidyasagar University, Midnapur, 721102, India; Department of Botany, University of Calcutta, West Bengal, 700019, India; Sinha Institute of Medical Science and Technology, Garia, Kolkata, 700084, India
Diabetes-induced testicular dysfunction correction by hydromethanolic extract of Tamarindus indica Linn. seed in male albino rat	Maiti R., Karak P., Misra D.S., Ghosh D.	International Journal of Green Pharmacy	2017	1	Department of Physiology, Ramananda College, Bishnupur, Bankura, West Bengal, India; Department of Bio-Medical Laboratory Science and Management, U.G.C Innovative Department, Vidyasagar University, Midnapore, West Bengal, India; Department of Physiology, Bankura Christian College, Bankura, West Bengal, 722 101, India
Synthesis and optical absorption properties of copper oxide nanoparticles for applications in transparent surface coatings and solar cells	Samanta P.K., Das M., Hati R., Patra M., Khatun A., Patra S., Jana S., Kar B.S., Mandal S., Mandal A.K., Aich D., Saha S., Kamilya T.,	Journal of Nano- and Electronic Physics	2017	1	Post Graduate Department of Physics, Prabhat Kumar College, Contai, 721401, India; Post Graduate Department of Physics, Panskura Banamali College, Panskura, 721152, India; School of Basic Science and Humanities, IEM, Kolkata, 700098, India; Department of Physics, Kharagpur College,

	Mishra S.				Paschim Medinipur, India; Department of Physics and Techno-physics, Vidyasagar University, Midnapore, India; Department of Physics, Narajole Raj College, Narajole, 721101, India; School of Applied Sciences, Haldia Institute of Technology, Haldia, Purba Medinipur, India
Therapeutic applications of zebrafish (<i>Danio rerio</i>) miRNAs linked with human diseases: A prospective review	Bhattacharya M., Ghosh S., Malick R.C., Patra B.C., Das B.K.	Gene	2018		ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, West Bengal 700 120, India; Centre For Aquaculture Research, Extension & Livelihood, Department of Aquaculture Management & Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
Future scenarios of land-use suitability modeling for agricultural sustainability in a river basin	Sahoo S., Sil I., Dhar A., Debsarkar A., Das P., Kar A.	Journal of Cleaner Production	2018		Faculty of Interdisciplinary Studies, Law & Management, Jadavpur University, Kolkata, India; Department of Remote Sensing & GIS, Vidyasagar University, India; Department of Civil Engineering, IIT Kharagpur, Kharagpur, India; Department of Civil Engineering, Jadavpur University, Kolkata, India; Center for Oceans, Rivers, Atmosphere and Land Science, IIT Kharagpur, Kharagpur, India; Central Ground Water Board, Kolkata, India
Attenuation of utero-toxicity, metabolic dysfunction and inflammation by soy protein concentrate in rats exposed to fluoridated water: consequence of hyperlipidemia in parallel with hypohomocysteinemia	Jana L., Maity P.P., Perveen H., Dash M., Jana S., Dey A., De S.K., Chattopadhyay S.	Environmental Science and Pollution Research	2018		Department of Biomedical Laboratory Science and Management, and Clinical Nutrition and Dietetics division (UGC Innovative Department), Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Zoology, Vidyasagar University, Midnapore, West Bengal 721102, India
Entropy generation analysis of mhd slip flow of non-newtonian Cu-casson nanofluid in a porous microchannel filled with saturated porous medium considering thermal radiation	Das S., Sarkar S., Jana R.N.	Journal of Nanofluids	2018		Department of Mathematics, University of Gour Banga, Malda732103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721102, India

Directional PVO for reversible data hiding scheme with image interpolation	Meikap S., Jana B.	Multimedia Tools and Applications	2018		Department of Computer Science, Hijli College, Paschim Medinipur, West Bengal Pin-721306, India; Department of Computer Science, Vidyasagar University, Midnapore, West Bengal Pin-721102, India
Spatial characterization of commercial fishing catch rate of <i>Tenualosa ilisha</i> in Hooghly-Matlah estuary of India: A geostatistical appraisal	Sahu S.K., Bandyopadhyay J., Naskar M.	Indian Journal of Geo-Marine Sciences	2018		ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, 700120, India; Department of Remote Sensing & GIS, Vidyasagar University, Paschim Medinipur, Midnapore, West Bengal 721102, India
Hall effects on magnetohydrodynamics flow of nanofluids due to non-coaxial rotation of a porous disk and a fluid at infinity	Das S., Tarafdar B., Jana R.N.	Journal of Nanofluids	2018		Department of Mathematics, University of Gour Banga, Malda, 732103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721102, India
Study on centrality measures in social networks: a survey	Das K., Samanta S., Pal M.	Social Network Analysis and Mining	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Department of Mathematics, Tamralipta Mahavidyalaya, Tamluk, 721636, India
Multi-Objective Fixed-Charge Transportation Problem with Random Rough Variables	Roy S.K., Midya S., Yu V.F.	International Journal of Uncertainty, Fuzziness and Knowledge-Based Systems	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West-Bengal, 721102, India; Department of Industrial Management, National Taiwan University of Science and Technology, Keelung Road, 43, Section 4, Taipei, 10607, Taiwan
Length-weight relationship of nine Clupeiform fish species from the Digha coast, West Bengal, India	Bhattacharya M., Kar A., Chini D.S., Malick R.C., Patra B.C., Patra S., Das B.K.	Journal of Applied Ichthyology	2018		ICAR-Central Inland Fisheries Research Institute, Kolkata, West Bengal, India; Centre for Aquaculture Research, Extension and Livelihood, Department of Aquaculture Management and Technology, Vidyasagar University, Midnapore, West Bengal, India; Sabang Sajanikanta Mahavidyalaya, Paschim Medinipur, West Bengal, India
Mapping rice cropping system in the lower	Maiti A., Acharya P.	International Archives	2018		Department of Geography and Environment,

gangetic plain using Landsat 8 (OLI) and modis imagery		of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives			Vidyasagar University, Midnapore, India
Evidence of artemisinin-resistant plasmodium falciparum malaria in eastern India	Das S., Saha B., Hati A.K., Roy S.	New England Journal of Medicine	2018		Vidyasagar University, Midnapore, India; National Centre for Cell Science, Pune, India; Calcutta School of Tropical Medicine, Kolkata, India
Reply to the "comments on -a theoretical study on the linearity of the Id-T curve of a SiC MESFET for sensor application"	Dutta S.	Superlattices and Microstructures	2018		Department of Electronics, Vidyasagar University, Midnapur, West Bengal 721102, India; Department of Electronic Science, University of Calcutta, 92, A.P.C. Road, Kolkata, West Bengal 700009, India
Evaluation of hypotesticular activities of different solvent fractions of hydro-methanolic extract of the fruit of Terminalia chebula in Wistar strain adult albino rat: Genomic and flow cytometric approaches	Ghosh P., Gupta P., Tripathy A., Das B., Ghosh D.	Journal of Applied Biomedicine	2018		Vidyasagar University, Department of Bio-Medical Laboratory Science and Management, Molecular Medicine and Nutrigenomics Laboratory, Midnapore, West Bengal 721 102, India
Multi-cluster analysis of Crabs and Ichthyofaunal Diversity in relation to habitat distribution at Tropical Mangrove ecosystem of the Indian Sundarbans	Bhattacharya M., Kar A., Chini D.S., Malick R.C., Patra B.C., Das B.K.	Regional Studies in Marine Science	2018		ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, West Bengal 700 120, India; Centre For Aquaculture Research, Extension & Livelihood, Department of Aquaculture Management & Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
Synthesis, characterization and antimicrobial activities of Co(III) and Ni(II) complexes with 5-methyl-3-formylpyrazole-N(4)-dihexylthiosemicarbazone (HMPzNHex2): X-ray crystallography and DFT calculations of [Co(MPzNHex2)2]ClO4·1.5H2O (I) and [Ni(HMPzNHex2)2]Cl2·2H2O (II)	Saha M., Biswas J.K., Mondal M., Ghosh D., Mandal S., Cordes D.B., Slawin A.M.Z., Mandal T.K., Saha N.C.	Inorganica Chimica Acta	2018		Department of Chemistry, University of Kalyani, Kalyani, 741 235, India; Department of Ecological Studies and International Centre for Ecological Engineering, University of Kalyani, Kalyani, 741 235, India; School of Chemistry, University of St Andrews, North Haugh, St Andrews, Fife KY16 9ST, United Kingdom; Faculty Councils for Post Graduate Studies, Vidyasagar University, Midnapore, 721 102, India

Fabrication of efficient dye-sensitized solar cells with photoanode containing TiO ₂ @Au and TiO ₂ @Ag plasmonic nanocomposites	Bhardwaj S., Pal A., Chatterjee K., Rana T.H., Bhattacharya G., Sinha Roy S., Chowdhury P., Sharma G.D., Biswas S.	Journal of Materials Science: Materials in Electronics	2018		Department of Physics, The LNM Institute of Information Technology, Jamdoli, Jaipur, 302031, India; Vidyasagar University, Midnapore, 721102, India; Department of Physics, School of Natural Science, Shiv Nadar University, Greater Noida, Uttar Pradesh 201314, India; Department of Physics, Jaypee Institute of Information Technology, Noida, 201307, India
Accountability, Democratisation and the Right to Information in India	Ghosh S.	Asian Studies Review	2018		Vidyasagar University, India
A supply chain model for imperfect production system with stochastic lead time demand	Mallick R.K., Manna A.K., Mondal S.K.	Journal of Management Analytics	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, India
Synthesis, characterization, cytotoxicity effect and DNA cleavage study of symmetric dinuclear chloro and azido bridged copper(II) complexes of naphthyl-pyrazole based ligand	Jana A., Brandão P., Mondal G., Bera P., Santra A., Jana A.D., Mokhamatam R.B., Manna S.K., Bhattacharyya N., Bera P.	Inorganica Chimica Acta	2018		Post Graduate Department of Chemistry, Panskura Banamali College, Vidyasagar University, Midnapore (E), West Bengal 721152, India; Department of Chemistry, CICECO, University of Aveiro, Aveiro, 3810-193, Portugal; Department of Physics, Behala College, Parnasree, Kolkata, 700060, India; Centre for DNA Fingerprinting & Diagnostics (CDFD), Hyderabad, Telangana 500 039, India; Department of Biotechnology, Panskura Banamali College, Vidyasagar University, Midnapore (E), West Bengal 721152, India
Optical properties and enhanced photocatalytic activity of Mg-doped ZnO nanoparticles	Samanta A., Goswami M.N., Mahapatra P.K.	Physica E: Low-Dimensional Systems and Nanostructures	2018		Department of Physics & Techno-Physics, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Physics, Midnapore College, Midnapore, West Bengal 721101, India; Department of Physics, ITER, SOA University, Bhubaneswar, Odisha 751030, India
Multi-item 4D-TPs under budget constraint using rough interval	Bera S., Giri P.K., Jana D.K., Basu K., Maiti M.	Applied Soft Computing Journal	2018		National Institute of Technology Durgapur, Durgapur, 713209, India; Kanchanpur Milan Vidyapith (High), Kanchanpur-721628, Purba Medinipur, W.B., India; Department of

					Applied Sciences, Haldia Institute of Technology, Haldia, Purba Medinipur 721657, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, W.B. 721102, India
p-Toluate-bridged dinuclear Cu(II) complexes in combination with tridentate chelating ligand: Crystal structure, density functional theory calculation, DNA/protein binding and catecholase activity	Dolai S., Das K., Bhunia A., Bertolasi V., Manna S.C.	Applied Organometallic Chemistry	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Dipartimento di Scienze Chimiche e Farmaceutiche, Centro di Strutturistica Diffraattometrica, Universit� di Ferrara, Via L. Borsari 46, Ferrara, 44100, Italy
Probing the binding of Spathodea campanulata leaves extract mediated biogenic potential microbicidal silver nanoparticles to human serum albumin: An insight in the light of spectroscopic approach	Beg M., Maji A., Mandal A.K., Das S., Jha P.K., Hossain M.	Journal of Luminescence	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Chemical Biology Laboratory, Department of Sericulture, Raiganj University, Raiganj, West Bengal 733134, India; School of Medical Science and Technology, Indian Institute of Technology, Kharagpur, West Bengal 721302, India
Orcinol Glucoside Loaded Polymer - Lipid Hybrid Nanostructured Lipid Carriers: Potential Cytotoxic Agents against Gastric, Colon and Hepatoma Carcinoma Cell Lines	Nahak P., Gajbhiye R.L., Karmakar G., Guha P., Roy B., Besra S.E., Bikov A.G., Akentiev A.V., Noskov B.A., Nag K., Jaisankar P., Panda A.K.	Pharmaceutical Research	2018		Department of Chemistry, University of North Bengal, Darjeeling, West Bengal 734 013, India; Organic and Medicinal Chemistry Division, CSIR-Indian Institute of Chemical Biology, 4, Raja S. C. Mulkik Road, Jadavpur, Kolkata, West Bengal 700032, India; Cancer Biology and Inflammatory Disorder Division, CSIR-Indian Institute of Chemical Biology, 4, Raja S. C. Mulkik Road, Jadavpur, Kolkata, West Bengal 700032, India; Department of Colloid Chemistry, Saint Petersburg State University, Universitetsky pr. 26, Saint Petersburg, 198504, Russian Federation; Department of Biochemistry, Memorial University of Newfoundland, St. John's, NL, Canada; Department of Chemistry and Chemical

					Technology, Vidyasagar University, Midnapore, West Bengal 721 102, India
Biophysical Correlates on the Composition, Functionality, and Structure of Dendrimer-Liposome Aggregates	Roy B., Guha P., Nahak P., Karmakar G., Maiti S., Mandal A.K., Bykov A.G., Akentiev A.V., Noskov B.A., Tsuchiya K., Torigoe K., Panda A.K.	ACS Omega	2018		Department of Chemistry, University of North Bengal, Darjeeling, West Bengal, 734 013, India; Proteomics and Structural Biology Unit, CSIR, Institute of Genomics and Integrative Biology, Mall Road, Delhi, 110 007, India; Chemical Biology Laboratory, Department of Sericulture, Raiganj University, Uttar Dinajpur, West Bengal, 733134, India; Department of Colloid Chemistry, St. Petersburg State University, Universitetsky pr. 26, St. Petersburg, 198504, Russian Federation; Department of Pure and Applied Chemistry, Tokyo University of Science, 2641 Yamazaki, Noda, Tokyo, 278-8510, Japan; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal, 721102, India
RGO-ZnSe Photocatalyst towards Solar-Light-Assisted Degradation of Tetracycline Antibiotic Water Pollutant	Das P., Pan A., Chakraborty K., Pal T., Ghosh S.	ChemistrySelect	2018		Department of Physics, Midnapore College, Midnapore, WB, 721101, India; Department of Physics, Vivekananda College, University of Calcutta, Thakurpukur, Kolkata, WB, 700063, India; Department of Physics & Technophysics, Vidyasagar University, Midnapore, WB, 721102, India
Stability, Bifurcation and Optimal Control Analysis of a Malaria Model in a Periodic Environment	Panja P., Mondal S.K., Chattopadhyay J.	International Journal of Nonlinear Sciences and Numerical Simulation	2018		Department of Applied Science, Haldia Institute of Technology, Haldia, 721657, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India; Agricultural and Ecological Research Unit, ISI, 203 B.T. Road, Kolkata, W.B., India
Weighted matrix based reversible watermarking scheme using color image	Pal P., Chowdhuri P., Jana B.	Multimedia Tools and Applications	2018		Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India

Closed Tea Estates: A Case Study of the Dooars Region of West Bengal, India	Roy N.C., Biswas D.	Vision	2018		Department of Business Administration, Vidyasagar University West Bengal, India; Department of Business Administration, Vidyasagar University West Bengal, India
Geochemical contamination in the mine affected soil of Raniganj Coalfield – A river basin scale assessment	Manna A., Maiti R.	Geoscience Frontiers	2018		Department of Geography and Environment Management, Vidyasagar University, Midnapore, West Bengal 721102, India
Assessment of nutritional status by composite index of anthropometric failure (CIAF): A study among preschool children of Sagar Block, South 24 Parganas District, West Bengal, India	Biswas S., Giri S.P., Bose K.	Anthropological Review	2018		Department of Anthropology and Tribal Studies, Sidho-Kanho-Birsha University, Purulia, India; Department of Anthropology, Vidyasagar University, Midnapore, West Bengal, 721 102, India
Abrogation of sodium arsenite driven uterine antioxidant exhaustion and tissue impairment: Role of B12 and folate	Deb B., Maity M., Maiti S., Pan B., Perveen H., Dash M., Maiti A.K., Chattopadhyay S.	Journal of Environmental Biology	2018		Dept. of Biomedical Laboratory Science and Management and Clinical Nutrition and Dietetics Division, Vidyasagar University, Midnapore, 721 102, India; Department of Biochemistry, Oriental Institute of Science and Technology, Midnapore, 721 102, India; Department of Pathology, Midnapore Medical College and Hospital, Midnapore, 721 102, India
Photon production from Pb + Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV at the CERN Large Hadron Collider and at $\sqrt{s_{NN}} = 39$ TeV at the proposed Future Circular Collider facility	Dasgupta P., De S., Chatterjee R., Srivastava D.K.	Physical Review C	2018		Variable Energy Cyclotron Centre, HBNI, 1/AF, Bidhan Nagar, Kolkata, 700064, India; Homi Bhabha National Institute, Training School Complex, Anushakti Nagar, Mumbai, 400085, India; Pingla Thana Mahavidyalaya under Vidyasagar University, West-Bengal, 721140, India; Institut für Theoretische Physik, Johann Wolfgang Goethe-Universität, Max-von-Laue-Str. 1, Frankfurt am Main, D-60438, Germany; ExtreMe Matter Institute EMMI, GSI Helmholtzzentrum für Schwerionenforschung, Planckstrasse 1, Darmstadt, 64291, Germany
The impact of social networking sites on college students: A survey study in West Bengal	Giri A., Biswas W., Biswas D.	Indian Journal of Marketing	2018		School of Management and Social Science, Haldia Institute of Technology, Haldia, West Bengal, India; Department of Business

					Administration, Vidyasagar University, West Bengal, India
Cubic set structure applied in UP -algebras	Senapati T., Jun Y.B., Shum K.P.	Discrete Mathematics, Algorithms and Applications	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Department of Mathematics Education, Gyeongsang National University, Jinju, 52828, China; Institute of Mathematics, Yunnan University, Kunming, 650091, China
Characterization and Strain Improvement of Aerobic Denitrifying EPS Producing Bacterium Bacillus cereus PB88 for Shrimp Water Quality Management	Barman P., Bandyopadhyay P., Kati A., Paul T., Mandal A.K., Mondal K.C., Mohapatra P.K.D.	Waste and Biomass Valorization	2018		Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India; Biostadt India Limited, Poonam Chambers "A"™ Wing, 6th Floor, Dr. A.B. Road, Worli, Mumbai, Maharashtra 400018, India; Department of Detergent and Chemical Technologies, Research and Development Center, Hayat Kimya, Gökçeada, Kocaeli 41275, Turkey; Chemical Biology Laboratory, Department of Sericulture, Raiganj University, Raiganj, Uttar Dinajpur, West Bengal 733134, India
Fuzzification on rain and temperature data in Indian terrain	Sheikh M.I., Samanta S.	Proceedings - 7th International Conference on Communication Systems and Network Technologies, CSNT 2017	2018		Department of Mathematical Sciences, Indian Institute of Information Technology, Nagpur, Maharashtra, India; Department of Mathematics, Tamralipta Mahavidyalaya (Vidyasagar University), Tamluk, West-Bengal, India
Silica-Coated Metal Oxide Nanoparticles: Magnetic and Cytotoxicity Studies	Basu P., De K., Das S., Mandal A.K., Kumar A., Jana T.K., Chatterjee K.	ChemistrySelect	2018		Dept of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India; NITMAS, Jhinga, D. H. Road, 24 Pgs (S)743368, India; Department of Electronics and Communication Engineering, Guru Ghasidas Central University, Bilaspur (C.G.), 495 009, India; Chemical Biology Laboratory, Dept. of Sericulture, Raiganj University, Raiganj, 733134, India; Department of Biotechnology, North Bengal

					University, Siliguri, Darjeeling, 734013, India
Pollen analysis of <i>Apis dorsata</i> Fabricius honeys in Bankura and Paschim Medinipur districts, West Bengal	Layek U., Karmakar P.	Grana	2018		Department of Botany and Forestry, Vidyasagar University, Midnapore, India
A theoretical study on the temperature-dependent RF performance of a SiC MESFET	Dutta S.	International Journal of Electronics	2018		Department of Electronics, Vidyasagar University, Midnapur, India; Department of Electronic Science, University of Calcutta, Kolkata, India
Application of bipolar intuitionistic fuzzy soft sets in decision making problem	Jana C., Pal M.	International Journal of Fuzzy System Applications	2018		Department of Applied Mathematics, Vidyasagar University, Midnapore, India
Aggregation induced emission of 9-Anthraldehyde microstructures and its selective sensing behavior towards picric acid	Das D., Maity A., Shyamal M., Maity S., Mudi N., Misra A.	Journal of Molecular Liquids	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, WB 721102, India
Enhanced efficiency of PbS quantum dot-sensitized solar cells using plasmonic photoanode	Bhardwaj S., Pal A., Chatterjee K., Rana T.H., Bhattacharya G., Roy S.S., Chowdhury P., Sharma G.D., Biswas S.	Journal of Nanoparticle Research	2018		Department of Physics, The LNM Institute of Information Technology, Jamdoli, Jaipur, 302031, India; Vidyasagar University, Midnapore, 721102, India; Department of Physics, School of Natural Science, Shiv Nadar University, Greater Noida, Uttar Pradesh 201314, India; Jaypee Institute of Information Technology, Noida, 201307, India
Pyrene-based Schiff Base as Selective Chemosensor for Copper(II) and Sulfide Ions	Dalbera S., Kulovi S., Dalai S.	ChemistrySelect	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721 102, India
Exploring the dual impact of hydrocarbon chainlength and the role of piroxicam a conventional NSAID on soylcithin/ion pair amphiphiles mediated hybrid vesicles for brain "tumor targeted drug delivery	Guha P., Roy B., Nahak P., Karmakar G., Chang C.H., Bikov A.G., Akentiev A.B., Noskov B.A., Mandal A.K., Kumar A., Hassan P.A., Aswal V.K., Misono T., Torigoe K.,	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2018		Department of Chemistry, University of North Bengal, Darjeeling, West Bengal 734 013, India; Department of Chemical Engineering, National Cheng Kung University, Tainan, Taiwan; Department of Colloid Chemistry, St. Petersburg State University, Universitetskii pr. 26, St. Petersburg, 198504, Russian Federation; Chemical Biology Laboratory, Department of Sericulture, Raiganj University, Raiganj,

	Panda A.K.				West Bengal 733134, India; Department of Biotechnology, University of North Bengal, Darjeeling, West Bengal 734 013, India; Thermal & Interfacial Chemistry Section Chemistry Division, Bhabha Atomic Research Centre Trombay, Mumbai, 400 085, India; Department of Pure and Applied Chemistry, Tokyo University of Science, 2641 Yamazaki, Noda, Tokyo 278-8510, Japan; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnaore, West Bengal 721102, India
Nonclassical properties (squeezing, antibunching, entanglement) for couple-cavity optomechanical system	Mukherjee K., Jana P.C.	Journal of Optics (India)	2018		Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India
T-fuzzy KU-ideals of KU-algebras	Senapati T.	Afrika Matematika	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India
Reduced Graphene Oxideâ€™s Cadmium Zinc Sulfide Nanocomposite with Controlled Band Gap for Large-Area Thin-Film Optoelectronic Device Application	Ibrahim S., Chakraborty K., Pal T., Ghosh S.	Journal of Materials Engineering and Performance	2018		Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India; Department of Physics, Midnapore College, Midnapore, 721101, India
Therapeutic potential of probiotic Lactobacillus plantarum AD3 on acetaminophen induced uremia in experimental rats	Patra A., Mandal S., Samanta A., Chandra Mondal K., Nandi D.K.	Clinical Nutrition Experimental	2018		Department of Microbiology, Nutrition, and Human Physiology, Raja N.L. Khans Women's College, Paschim Medinipur West Bengal 721102, India; Department of Microbiology, Vidyasagar University West Bengal 721102, India
An integrated inventory model with variable holding cost under two levels of trade-credit policy	Pervin M., Roy S.K., Weber G.W.	Numerical Algebra, Control and Optimization	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India; Faculty of Engineering Management, Poznan University of Technology, Ul. Strzelecka 11, Poznan, 60-965, Poland
The corrective efficacy of the n-hexane fraction of	Bera T.K., Ghosh D.	Jordan Journal of	2018		Department of Physiology, Universal College

the hydro-methanol extract of the <i>Swietenia mahagoni</i> seeds on testicular dysfunctions in streptozotocin-induced diabetic male rats		Biological Sciences			of Medical Sciences, Lumbini Zone, Bhairahawa, Nepal; Department of Bio-Medical Laboratory Science and Management, Vidyasagar University, Midnapore, West Bengal, 721 102, India
The validity of mid-upper arm circumference as an indicator of low BMI in population screening for undernutrition: a study among adult slum dwellers in eastern India	Das P., Khatun A., Bose K., Chakraborty R.	Public Health Nutrition	2018		Department of Anthropology, Vidyasagar University, Midnapore, West Bengal, India; Department of Anthropology, Dinabandhu Mahavidyalaya, Bongaon, North 24 Parganas, 743235 West Bengal, India
<i>Pseudochromadora benepapillata</i> (Timm 1961) comb. n. (Desmodoridae: Nematoda): revision of its taxonomic status and distribution	Datta T.K., Ganguly A., Chakraborty S.K.	Zootaxa	2018		Zoological Survey of India, Kolkata, 700053, India; Jogesh Chandra Chaudhuri College, P.A. Shah Road, Kolkata, 700033, India; Department of Zoology, Vidyasagar University, Midnapore (West), 721102, India
Impact of metal accumulation pattern on the annual rhythmicity of antioxidants and their interrelationship to maintain the oxidative balance in mollusc	Ganguly A., Moniruzzaman M., Chakraborty S.K., Karan S., Mukherjee J.	Biological Rhythm Research	2018		Department of Environmental Science, Jogesh Chandra Chaudhuri College, Kolkata, India; Department of Zoology, University of Calcutta, Kolkata, India; Department of Zoology, Vidyasagar University, Midnapore, India; Department of Environmental Science, Vidyasagar University, Midnapore, India; Department of Zoology, Krishna Chandra College, University of Burdwan, Birbhum, India
Use of ion pair amphiphile as an alternative of natural phospholipids in enhancing the stability and anticancer activity of oleanolic acid loaded nanostructured lipid carriers	Karmakar G., Nahak P., Roy B., Guha P., Tsuchiya K., Torigoe K., Nath R.K., Panda A.K.	Colloids and Surfaces A: Physicochemical and Engineering Aspects	2018		Department of Chemistry, University of North Bengal, Darjeeling, West Bengal 734013, India; Department of Pure and Applied Chemistry, Tokyo University of Science, 2641 Yamazaki, Noda, Tokyo 278-8510, Japan; Department of Chemistry, Tripura University, Suryamaninagar, Tripura 799022, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
Hemocompatible 3D Silver(I) Coordination Polymers: Synthesis, X-ray Structure, Photo-	Kulovi S., Dalbera S., Dey S.K., Maiti	ChemistrySelect	2018		Department of Chemistry and Chemical Technology, Vidyasagar University,

Catalytic and Antibacterial Activity	(Choudhury) S., Puschmann H., Zangrando E., Dalai S.				Midnapore, West Bengal 721102, India; Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Chemistry, Durham University, Durham, DH13LE, United Kingdom; Department of Chemical and Pharmaceutical Sciences, University of Trieste, Trieste, 34127, Italy
A theoretical approach to study the optical sensitivity of a MESFET	Dutta S.	AIP Conference Proceedings	2018		Department of Electronics, Vidyasagar University, Midnapur, West Bengal 721102, India; Department of Electronic Science, University of Calcutta, 92, A.P.C. Road, Kolkata, West Bengal 700009, India
Accurate Formula to Determine Resonant Frequency of Double Sided Printed Dipole Antenna	Ghosh R.P., Patra K., Gupta B., Chowdhury S.K.	IETE Journal of Research	2018		Electronics Science Department, Vidyasagar University, Midnapore, India; Department of Electronics and Communication Engineering, Jadavpur University, Kolkata, India
Two new analog multipliers/dividers employing single current differencing buffer amplifier	Roy S., Paul T.K., Maiti S., Pal R.R.	AEU - International Journal of Electronics and Communications	2018		Department of Physics and Technophysics, Vidyasagar University, Midnapore 721102 West Bengal, India; Department of Basic Engineering Science, Netaji Subhash Engineering College, Kolkata, West Bengal 700152, India
Cubic commutative ideals of BCK-algebras	Senapati T., Shum K.P.	Missouri Journal of Mathematical Sciences	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Institute of Mathematics, Yunnan University, Kunming, 650091, China
Influence of Wall Conductivities on a Fully Developed Mixed-Convection Magnetohydrodynamic Nanofluid Flow in a Vertical Channel	Das S., Tarafdar B., Jana R.N., Makinde O.D.	Journal of Engineering Physics and Thermophysics	2018		Department of Mathematics, University of Gour Banga, Malda, 732103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721102, India; Faculty of Military Science, Stellenbosch University, Private Bag X2, Saldanha, 7395, South Africa
Green logistics under imperfect production system: A Rough age based Multi-Objective	De M., Das B., Maiti M.	Computers and Industrial Engineering	2018		Department of Applied Mathematics with Oceanology and Computer Programming,

Genetic Algorithm approach					Vidyasagar University, Midnapore, WB 721102, India; Department of Mathematics, Sidho-Kanho-Birsha University, Purulia, WB, India
A retrospective study on bacteria causing blood stream infection: Antibiotics resistance and management	Sarkar S.K., Bhattacharyya A., Paria K., Mandal S.M.	Indian Journal of Pharmaceutical Sciences	2018		Sanjiban Hospital, Fuleswar, Howrah, 711 316, India; TechnoIndia DAMA Hospital, Kolkata, 700 091, India; Department of Zoology, Vidyasagar University, Midnapore, 721 101, India; Central Research Facility, Indian Institute of Technology Kharagpur, Kharagpur, 721 302, India
EFFECT of COUPLE STRESSES on ELECTROKINETIC OSCILLATORY FLOW of BLOOD in the MICROCIRCULATORY SYSTEM	Misra J.C., Chandra S.	Journal of Mechanics in Medicine and Biology	2018		Centre for Healthcare Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur, Howrah, 711103, India; Department of Physics, Sabang S. K. Mahavidyalaya, Vidyasagar University, Midnapore, India
Analysis of a harvested tritrophic food chain model in the presence of additional food for top predator	Panja P., Poria S., Mondal S.K.	International Journal of Biomathematics	2018		Department of Applied Science, Haldia Institute of Technology, Haldia, West Bengal 721657, India; Department of Applied Mathematics, University of Calcutta, 92 APC Road, Kolkata, 700009, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721 102, India
Couette-Poiseuille flow based non-linear flow over a square cylinder near plane wall	Bhatt R., Maiti D.K., Alam M.M., Rehman S.	Wind and Structures, An International Journal	2018		Institute for Turbulence-Noise-Vibration Interaction and Control, Shenzhen Graduate School, Harbin Institute of Technology, Shenzhen, China; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapur, 721102, India; Center for Engineering Research, Research Institute, King Fahd University of Petroleum and Minerals, Dhahran, 31261, Saudi Arabia
Physicochemical Characterization of Chrysin-Derivative-Loaded Nanostructured Lipid Carriers	Karmakar G., Nahak P., Chettri P., Roy	Journal of Surfactants and Detergents	2018		Department of Chemistry, University of North Bengal, Darjeeling, West Bengal

with Special Reference to Anticancer Activity	B., Guha P., Tsuchiya K., Torigoe K., Kumar A., Nath R.K., Bhowmik S., De U.C., Nag K., Panda A.K.				734013, India; Department of Biotechnology, University of North Bengal, Darjeeling, West Bengal 734013, India; Department of Pure and Applied Chemistry, Tokyo University of Science, 2641 Yamazaki, Noda, Tokyo, 278-8510, Japan; Department of Chemistry, Tripura University, Suryamaninagar, Agartala, Tripura 799022, India; Department of Biochemistry, Memorial University of Newfoundland, St. John's, NL, Canada; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
MoS ₂ embedded TiO ₂ nanoparticles for concurrent role of adsorption and photocatalysis	Pal A., Jana T.K., Chatterjee K.	AIP Conference Proceedings	2018		Dept. of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India
Solution of Matrix Games with Generalised Trapezoidal Fuzzy Payoffs	Jana J., Kumar Roy S.	Fuzzy Information and Engineering	2018		Department of Applied Mathematics With Oceanology and Computer Programming, Vidyasagar University, Midnapore, India
Rough Genetic Algorithm for Constrained Solid TSP with Interval Valued Costs and Times	Maity S., Roy A., Maiti M.	Fuzzy Information and Engineering	2018		Operations Management Group, Indian Institute of Management Calcutta, Kolkata, India; Department of Computer Sciences & Applications, P. K. College, Contai, India; Department of Applied Mathematics, Vidyasagar University, Medinipur, India
Fabrication and characterization of Au/n-CdTe Schottky barrier under illumination and dark	Bera S.R., Saha S.	Applied Physics A: Materials Science and Processing	2018		Department of Physics and Technophysics, Vidyasagar University, Midnapore, West Bengal 721102, India
Performance of banking industry in West Bengal: Critical assessment	Jana D.	SCMS Journal of Indian Management	2018		Department of Commerce with Farm Management, Vidyasagar University, Midnapore, West Bengal, India
Role of PEG 2000 in the surface modification and physicochemical characteristics of pyrazinamide loaded nanostructured lipid carriers	Karmakar G., Nahak P., Guha P., Roy B., Nath R.K., Panda A.K.	Journal of Chemical Sciences	2018		Department of Chemistry, University of North Bengal, Darjeeling, West Bengal 734013, India; Department of Chemistry, Tripura University, Suryamaninagar, Tripura 799022, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721

					102, India
Uncertain multi-item supply chain with two level trade credit under promotional cost sharing	Pakhira N., Maiti M.K., Maiti M.	Computers and Industrial Engineering	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, W.B. 721102, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, Purba Medinipur W.B. 721628, India
Radiological impact of some common foods of Southern Part of West Bengal, India	Das B., Deb A., Chowdhury S.	Radiation Protection Dosimetry	2018		Department of Physics and Technophysics, Vidyasagar University, Paschim, Medinipur, 721102, India; School of Studies in Environmental Radiation and Archaeological Sciences, Jadavpur University, Kolkata, 700032, India; Department of Physics, Jadavpur University, Kolkata, 700032, India
Enhanced photocatalytic activity of ternary CuInS ₂ nanocrystals synthesized from the combination of a binary Cu(I)S precursor and InCl ₃	Mondal G., Santra A., Jana S., Pramanik N.C., Mondal A., Bera P.	Journal of Nanoparticle Research	2018		Post Graduate Department of Chemistry, Panskura Banamali College, Vidyasagar University, East Medinipur, West Bengal 721152, India; Indian Institute of Engineering Science and Technology (IEST), Shibpur, Howrah, West Bengal 711103, India; Department of Chemistry, University of Calcutta, Kolkata, West Bengal 700073, India; Centre for Materials for Electronics Technology (C-MET), Thrissur, Kerala 680581, India
Tuberculosis related stigma and its effect on the delay for sputum examination under the Revised National Tuberculosis Control Program in India	Chakrabarty A., Basu P., Ali K.M., Sarkar A.K., Ghosh D.	Indian Journal of Tuberculosis	2018		Hony. Secretary, Health Vision & Research, 333A/1, Jessore Road, Kolkata, 700 089, India; Post Graduate Student (MD), Department of Community Medicine, Medical College, Kolkata, 700073, India; Department of Nutrition, M.U.C. Women's College, Burdwan, India; Additional Director of Health Services (Admin), H&FW Department, Government of West Bengal, India; Department of Bio-Medical Laboratory Science and Management, Vidyasagar University, Midnapore, West Bengal 721 102, India

Analyzing an inventory model with two-level trade credit period including the effect of customers' credit on the demand function using q-fuzzy number	Banu A., Mondal S.K.	Operational Research	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, W.B. 721 102, India
Role of Steric Hindrance in the Crystal Packing of $ZrO_2 \cdot 4H_2O$ Superstructure of Trimethyltin Hydroxide	Dey S., Schöneberger A., Mondal S., Ali S.I., Van Smaalen S.	Crystal Growth and Design	2018		Laboratory of Crystallography, University of Bayreuth, Bayreuth, 95440, Germany; King Abdullah University of Science and Technology (KAUST), Core Labs, Thuwal, 23955-6900, Saudi Arabia; CSIR-Central Glass and Ceramic Research Institute, Kolkata, 700032, India; Department of Chemistry, Moyna College, Vidyasagar University, Anandapur, 721629, India
Money Supply and Equity Price Movements During the Liberalized Period in India	Sahu T.N., Pandey K.D.	Global Business Review	2018		Assistant Professor, Department of Commerce with Farm Management, Vidyasagar University, Midnapore, West Bengal, India; UGC Senior Research Fellow, Department of Business Administration, Vidyasagar University, Midnapore, West Bengal, India
Antigonadal and endocrine-disrupting activities of lambda cyhalothrin in female rats and its attenuation by taurine	Ghosh R., Banerjee B., Das T., Jana K., Choudhury S.M.	Toxicology and Industrial Health	2018		Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal, India; Division of Molecular Medicine, Bose Institute, Kolkata, India
Simultaneous Removal of Cd(II) and Pb(II) Using a Fungal Isolate, Aspergillus penicillioides (F12) from Subarnarekha Estuary	Paria K., Mandal S.M., Chakroborty S.K.	International Journal of Environmental Research	2018		Department of Zoology, Vidyasagar University, Medinipur, West Bengal 721102, India; Central Research Facility, Indian Institute of Technology, Kharagpur, West Bengal 721302, India
An appropriate business strategy for a sale item	Pramanik P., Maiti M.K., Maiti M.	OPSEARCH	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, Paschim Medinipur, West Bengal 721102, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, Purba-Medinipur, West Bengal 721628, India
Wake and suppression of flow-induced vibration	Kim S., Alam M.M.,	Ocean Engineering	2018		Department of Mechanical Engineering,

of a circular cylinder	Maiti D.K.				Kangwon National University, North Korea; Institute for Turbulence-Noise-Vibration Interaction and Control, Shenzhen Graduate School, Harbin Institute of Technology, Shenzhen, 518055, China; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapur, WB, India
Microbial valorization of chitinous bioresources for chitin extraction and production of chito-oligomers and N-acetylglucosamine: Trends, perspectives and prospects	Halder S.K., Mondal K.C.	Microbial Biotechnology	2018		Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, India
Tailoring the Efficacy of Multifunctional Biopolymeric Graphene Oxide Quantum Dot-Based Nanomaterial as Nanocargo in Cancer Therapeutic Application	De S., Patra K., Ghosh D., Dutta K., Dey A., Sarkar G., Maiti J., Basu A., Rana D., Chattopadhyay D.	ACS Biomaterials Science and Engineering	2018		Department of Polymer Science and Technology, University of Calcutta, 92, A.P.C. Road, Kolkata, 700 009, India; Department of Zoology, West Bengal State University, Barasat, West Bengal, 700 126, India; Institute of Post Graduate Medical Education and Research (IPGMER), SSKM Hospital, Kolkata, 700 020, India; Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal, 721 102, India; Department of Chemical and Biological Engineering, Industrial Membrane Research Institute, University of Ottawa, 161 Louis Pasteur Street, Ottawa, ON K1N, Canada
A multi-objective post-disaster relief logistic model	Sarma D., Bera U.K., Singh A., Maiti M.	5th IEEE Region 10 Humanitarian Technology Conference 2017, R10-HTC 2017	2018		Department of Mathematics, NIT Agartala, Agartala, India; Department of Mathematics, Vidyasagar University, India
Advances in microbial keratinase and its potential applications	Sahoo D.K., Thatoi H.N., Mitra B., Mondal K.C., Das Mohapatra P.K.	Microbial Biotechnology	2018		Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, India; Department of Biotechnology, North Orissa University, Baripada, Odisha, India; Department of Bio-Sciences and Bio-

					Technology, Fakir Mohan University, Balasore, Odisha, India
Solving solid transportation problems with multi-choice cost and stochastic supply and demand	Kumar Roy S., Roy Mahapatra D.	Intelligent Transportation and Planning: Breakthroughs in Research and Practice	2018		Vidyasagar University, India
Multiobjective transportation problem using fuzzy decision variable through multi-choice programming	Maity G., Roy S.K.	Intelligent Transportation and Planning: Breakthroughs in Research and Practice	2018		Vidyasagar University, India
Results of m-polar fuzzy graphs with application	Ghorai G., Pal M.	Journal of Uncertain Systems	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore 721 102, India
Comparative evolutionary genomics of <i>Corynebacterium</i> with special reference to codon and amino acid usage diversities	Pal S., Sarkar I., Roy A., Mohapatra P.K.D., Mondal K.C., Sen A.	Genetica	2018		Bioinformatics Infrastructure Facility, Department of Microbiology, Vidyasagar University, Midnapore, 721 102, India; Bioinformatics Facility, Department of Botany, University of North Bengal, Darjeeling, 734 013, India
The Dual Carboxymethyl Cellulase and Gelatinase Activities of a Newly Isolated Protein from <i>Brevibacillus agri</i> ST15c10 Confer Reciprocal Regulations in Substrate Utilization	Maiti S., Samanta T., Sahoo S., Roy S.	Journal of Molecular Microbiology and Biotechnology	2018		Department of Biochemistry and Biotechnology, Cell and Molecular Therapeutics Laboratory, Oriental Institute of Science and Technology, Vidyasagar University, Midnapore, 721 102, India; Midnapore Tn Agricure Biotech Research Society, Midnapore, India; Indian Institute of Technology, Kharagpur, India
Studies on structure and antioxidant properties of a heteroglycan isolated from wild edible mushroom <i>Lentinus sajor-caju</i>	Pattanayak M., Maity P., Samanta S., Sen I.K., Manna D.K., Nandi A.K., Ghosh S., Acharya K., Islam S.S.	International Journal of Biological Macromolecules	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Molecular and Applied Mycology and Plant Pathology Laboratory, Department of Botany, University of Calcutta, 35, Ballygunge Circular Road, Kolkata, West Bengal 700019, India

Nanofluid (H ₂ O-Al ₂ O ₃ /CuO) flow over a heated square cylinder near a wall under the incident of Couette flow	Sharma S., Maiti D.K., Alam M.M., Sharma B.K.	Journal of Mechanical Science and Technology	2018		Department of Mathematics, Birla Institute of Technology and Science, Pilani, RJ 333031, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapur, WB 721102, India; Institute for Turbulence-Noise-Vibration Interaction and Control, Shenzhen Graduate School, Harbin Institute of Technology, Shenzhen, China
Synthesis and crystal structure of new copper(II) metal complex: Noncovalent interactions and electrical conductance properties	Pathak S., Chakraborty K., Ghosh S., Roy K., Jana B., Konar S.	Journal of Molecular Structure	2018		Department of Chemistry, Haldia Govt. College, Purba Medinipur, Haldia, 721657, India; Department of Physics & Technophysics, Vidyasagar University, Midnapore, West Bengal, 721102, India; Department of Chemistry, Serampore College, Hooghly, Serampore, 712201, India; Department of Chemistry, The Bhawanipur Education Society College, Kolkata, 700020, India
Gender and insanity: Situating asylums in nineteenth-century Bengal	Das D.	Society, Medicine and Politics in Colonial India	2018		Vidyasagar University, West Bengal, India
Antioxidant and Anticancer Roles of a Novel Strain of Bacillus anthracis Isolated from Vermicompost Prepared from Paper Mill Sludge	Ganguly R.K., Midya S., Chakraborty S.K.	BioMed Research International	2018		Department of Zoology, Vidyasagar University, Midnapore, West Bengal 721102, India
A Novel Approach to Lossless Audio Compression (LAC)	Mondal U.K.	Communications in Computer and Information Science	2018		Department of Computer Science, Vidyasagar University, Midnapur, WB, India
Temperature dependent Synthesis of Zinc Sulfide Nanocrystals	Bera K., Saha S., Jana P.C.	Oriental Journal of Chemistry	2018		Department of Physics and Technophysics, Vidyasagar University, Paschim Medinipur, 721102, India
Human contribution to service quality in West Bengal's luxury hotels	Banerjee D., Biswas D.	Human Systems Management	2018		Department of Business Administration, Vidyasagar University West Bengal, India
Improving data hiding capacity using bit-plane slicing of color image through (7, 4) hamming code	Banerjee A., Jana B.	Advances in Intelligent Systems and Computing	2018		Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India
Improved data hiding capacity through repeated embedding using modified weighted matrix for	Chowdhuri P., Pal P., Jana B.	International Journal of Computers and	2018		Department of Computer Science, Vidyasagar University, West Midnapore,

color image		Applications			India
A Modified Real-Coded Extended Line Crossover for Genetic Algorithm	Singh P.K.	Communications in Computer and Information Science	2018		Department of Computer Science, Vidyasagar University, Midnapore, WB 721102, India
A secure high-capacity video steganography using bit plane slicing through (7, 4) hamming code	Banerjee A., Jana B.	Advances in Intelligent Systems and Computing	2018		Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India
Assessing the social, ecological and economic impact on conservation activities within human-modified landscapes: A case study in Jhargram district of West Bengal, India	Sen U.K.	International Journal of Conservation Science	2018		Department of Botany and Forestry, Vidyasagar University, Midnapore, West Bengal, 721 102, India
Industrial credit and infrastructural factors : Scenario of indian states	Sinha A., Kundu D.	SCMS Journal of Indian Management	2018		Vidyasagar University, West Bengal, India; Kazi Nazrul Islam Mahavidyalaya, Paschim Burdwan, India
Biosynthesis and characterization of Thevetia peruviana leaf extract capped CdTe nanoparticles in photoconductive and photovoltaic applications	Bera S.R., Saha S.	Materials Today: Proceedings	2018		Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India
Efficient peptide based gelators for aromatic organic solvents and vegetable oils: application in phase selective gelation and dye entrapment	Guchhait S., Roy S.	Journal of Sol-Gel Science and Technology	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Paschim, Medinipur, 721 102, India
Proton triggered emission and selective sensing of 2,4,6-trinitrophenol using a fluorescent hydrosol of 2-phenylquinoline	Maity S., Shyamal M., Das D., Maity A., Dey S., Misra A.	New Journal of Chemistry	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, 721 102 W.B., India
A short-term survey report on the post-winter avian diversity in Corbett National Park and associated areas, Uttarakhand, India	Ghosh S., Bhattacharya T.	Journal of Threatened Taxa	2018		Department of Zoology Bethune College, 181, Bidhan Sarani, Manicktala, Azad Hind Bag, Kolkata, West Bengal, 700006, India; Department of Zoology, Vidyasagar University, Midnapore, West Bengal, 721102, India
Head circumference based nutritional status of rural Bengalee preschool children from Sagar Island, West Bengal, India	Giri S.P., Biswas S., Bose K.	Mankind Quarterly	2018		Department of Anthropology, Vidyasagar University, Midnapore, West Bengal, 721 102, India; Sidho-Kanho-Birsha University, Purulia, India
Characterization of an acidophilic α -amylase from <i>Aspergillus Niger</i> RBP7 and study of catalytic potential in response to nutritionally important heterogeneous compound	Mukherjee R., Paul T., Halder S.K., Soren J.P., Banerjee A., Mondal K.C., Pati B.R., Mohapatra	Acta Biologica Szegediensis	2018		Department of Microbiology, Vidyasagar University, West Bengal, Midnapore - 721102, India; Department of Microbiology, Raiganj University, Uttar Dinajpur, West Bengal, Raiganj - 733134, India

	P.K.D.				
Ameliorating effect of <i>Alstonia scholaris</i> L. bark extract on histopathological changes following viper envenomation in animal models	Ghosh R., Mana K., Sarkhel S.	Toxicology Reports	2018		Department of Human Physiology with Community Health, Vidyasagar University, Paschim Medinipur-721102, West Bengal, India
Effect of donor acceptor substitution position on the electrical responsive properties of azulene system: a computational study	Maity R., Mandal D., Misra A.	Molecular Physics	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, W.B, India
First: In situ vesicular self-assembly of 'binols' generated by a two-component aerobic oxidation reaction	Bag B.G., Ghorai S., Panja S.K., Dinda S.K., Paul K.	RSC Advances	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, 721102 WB, India
Quorum Sensing Autoinducer(s) and Flagellum Independently Mediate EPS Signaling in <i>Vibrio cholerae</i> Through LuxO-Independent Mechanism	Biswas S., Mukherjee P., Manna T., Dutta K., Guchhait K.C., Karmakar A., Karmakar M., Dua P., Panda A.K., Ghosh C.	Microbial Ecology	2018		Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
Economics of public investment in rehabilitation of water bodies in the saline zone of West Bengal, India	Jana S.K., Palanisami K., Manna S.S.	International Journal of Agricultural Resources, Governance and Ecology	2018		Department of Economics with Rural Development, Vidyasagar University, Midnapore, West Bengal, India; Water Technology Centre, Tamil Nadu Agricultural University, Coimbatore, India; Department of Economics, Vidyasagar University, Midnapore, West Bengal, India
Synthesis and characterization of biogenic metal nanoparticles and its cytotoxicity and anti-neoplasticity through the induction of oxidative stress, mitochondrial dysfunction and apoptosis	Maity P., Bepari M., Pradhan A., Baral R., Roy S., Maiti Choudhury S.	Colloids and Surfaces B: Biointerfaces	2018		Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Immunoregulation and Immunodiagnosics, Chittaranjan National Cancer Institute (CNCI), 37, S.P. Mukherjee Road, Kolkata, West Bengal 700026, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
A Novel Hierarchical Classification Scheme for Adaptive Quadtree Partitioning Based Fractal	Nandi U., Mandal J.K.	Communications in Computer and	2018		Department of Computer Science, Vidyasagar University, Paschim Medinipur,

Image Coding		Information Science			India; Department of Computer Science and Engineering, University of Kalyani, Nadia, India
Surjective L (2, 1)-labeling of cycles and circular-arc graphs	Amanathulla S., Pal M.	Journal of Intelligent and Fuzzy Systems	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, India
G.Ghorai, M.Pal: Applications of bipolar fuzzy sets in interval graphs	Ghorai G., Pal M.	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India
Elucidating the interaction of Spathodea campanulata leaf extracts mediated potential bactericidal gold nanoparticles with human serum albumin: spectroscopic analysis	Beg M., Maji A., Islam M., Hossain M.	Journal of Biomolecular Structure and Dynamics	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, India; Department of Chemistry, Aliah University West Bengal, India
Intuitionistic fuzzy labeling graphs	Sahoo S., Pal M.	Turkish World Mathematical Society Journal of Applied and Engineering Mathematics	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India
Fuzzy permutation graph and its complements	Raut S., Pal M., Ghorai G.	Journal of Intelligent and Fuzzy Systems	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, India
Comparative analysis of multi-criteria probabilistic FR and AHP models for forest fire risk (FFR) mapping in Melghat Tiger Reserve (MTR) forest	Kayet N., Chakrabarty A., Pathak K., Sahoo S., Dutta T., Hatai B.K.	Journal of Forestry Research	2018		Indian Institute of Technology Kharagpur, Kharagpur, West Bengal, India; Vidyasagar University, Midnapore, West Bengal, India; Jadavpur University, Kolkata, West Bengal, India; Odisha Space Application Center, Bhubaneswar, Odisha, India
Tissue specific expression and in-silico characterization of a putative cysteine synthase gene from Lathyrus sativus L.	Chakraborty S., Mitra J., Samanta M.K., Sikdar N., Bhattacharyya J., Manna A., Pradhan S., Chakraborty A., Pati B.R.	Gene Expression Patterns	2018		Advanced Laboratory for Plant Genetic Engineering, Indian Institute of Technology, Kharagpur, 721302, India; Department of Microbiology, Vidyasagar University, Midnapore, West Bengal 721102, India
Use of assistive technology in blind schools of West Bengal: A comparative study	Pradhan S., Samanta M.	Library Philosophy and Practice	2018		Department of Library and Information Science, Vidyasagar University, Midnapore,

					721102, India; Indian Institute of Management, Calcutta, Joka, Kolkata, 700104, India
Bicubic interpolation based audio authentication (BIAA)	Mondal U.K., Mandal J.K.	Advances in Intelligent Systems and Computing	2018		Department of Computer Science, Vidyasagar University, Midnapore West Bengal, India; Department of Computer Science & Engineering, University of Kalyani, Nadia West Bengal, India
A novel steganographic scheme using weighted matrix in transform domain	Chowdhuri P., Jana B., Giri D.	Communications in Computer and Information Science	2018		Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Computer Science and Engineering, Haldia Institute of Technology, Haldia, West Bengal 721657, India
Higher-order intermodal antibunching for couple-cavity optomechanical system	Mukherjee K., Jana P.C.	Journal of Optics (India)	2018		Department of Physics and Technophysics, Vidyasagar University, Midnapore, 721102, India; Department of Physics, Govt. General Degree College Gopiballavpur-II, Beliaberah, 721517, India
Bio-economic prey-predator fishery model with intratrophic predation, time delay in reserved and unreserved area	Sadhukhan D., Mondal B., Maiti M.	Springer Proceedings in Mathematics and Statistics	2018		Haldia Government College, Haldia, Purba Midnapore, WB, India; Raja N.L.K. Womens College, Midnapore, WB, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, WB, India
An inventory model of deteriorating items with a credit period-based new demand function in a finite time horizon	Banu A., Mondal S.K.	International Journal of Operational Research	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, WB, 721102, India
Secured steganographic scheme for highly compressed color image using weighted matrix through DCT	Chowdhuri P., Jana B., Giri D.	International Journal of Computers and Applications	2018		Department of Computer Science, Vidyasagar University, Midnapore, West Bengal, India; Department of Computer Science and Engineering, Haldia Institute of Technology, Haldia, West Bengal, India
Multi-item multi-stage transportation problem with Breakability	Baidya A., Bera U.K., Maiti M.	International Journal of Operational Research	2018		Department of Mathematics, National Institute of Technology, Agartala, Jirania, West Tripura, 799055, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, WB, 721102, India

Joint replenishment models with ramp demands and price dependent substitute ratio during stock-out	Giri R.N., Mondal S.K., Maiti M.	International Journal of Operational Research	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Morphological and biochemical evaluation of free living N ₂ fixing Tea rhizospheric and Tea soil bacteria of North Bengal Tea gardens, India	Bhaduri J., Kundu P., Roy S.K.	Asian Journal of Microbiology, Biotechnology and Environmental Sciences	2018		Post Graduate Department of Biotechnology, Oriental Institute of Science and Technology (Vidyasagar University), Katwa Road, Dewandighi, Burdwan, W.B., 713 102, India
Application of Strong Arcs in m-Polar Fuzzy Graphs	Mandal S., Sahoo S., Ghorai G., Pal M.	Neural Processing Letters	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Embedding and genus of intuitionistic fuzzy graphs on spheres	Sahoo S., Ghorai G., Pal M.	Journal of Multiple-Valued Logic and Soft Computing	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Dual hesitant fuzzy matrix games: based on new similarity measure	Jana J., Roy S.K.	Soft Computing	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India
Azadirachta indica leaves mediated green synthesized copper oxide nanoparticles induce apoptosis through activation of TNF- α and caspases signaling pathway against cancer cells	Dey A., Manna S., Chattopadhyay S., Mondal D., Chattopadhyay D., Raj A., Das S., Bag B.G., Roy S.	Journal of Saudi Chemical Society	2018		Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Polymer Science and Technology, USCTA, University of Calcutta, 92 A.P.C Road, Kolkata, West Bengal 700009, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
Paradoxical bactericidal effects of hydrophobic lung surfactant proteins and their peptide mimics using liposome molecular trojan	Dutta K., Nag K., Booth V., Smyth E., Dueck H., Fritzen-Garcia M., Ghosh C., Panda A.K.	Journal of Oleo Science	2018		Microbiology and Immunology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore West Bengal 721 102, India; Department of Biochemistry, Memorial University of Newfoundland, St. John's, NL, Canada

					Newfoundland, Canada; Federal University of Pana, Aquaculture Lab CEP 83255-000, Brazil; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore West Bengal 721 102, India
A hybrid heuristic for restricted 4-dimensional TSP (r-4DTSP)	Roy A., Chakraborty G., Khan I., Maity S., Maiti M.	Springer Proceedings in Mathematics and Statistics	2018		Department of Computer Science, Prabhat Kumar College, Contai, Purba Medinipur, W.B 721401, India; Faculty of Software and Information Science, Iwate Prefectural University, Takizawa, Japan; Department of Computer Science, Vidyasagar University, Medinipur, W.B 721102, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Medinipur, W.B 721102, India
In silico structural and functional modelling of Antifreeze protein (AFP) sequences of Ocean pout (<i>Zoarces americanus</i> , Bloch & Schneider 1801)	Bhattacharya M., Hota A., Kar A., Sankar Chini D., Chandra Malick R., Chandra Patra B., Kumar Das B.	Journal of Genetic Engineering and Biotechnology	2018		ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, West Bengal 700 120, India; Centre For Aquaculture Research, Extension & Livelihood, Department of Aquaculture Management & Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
An economic production lot size model for randomly imperfect production system with stock-dependent demand and rework	De M., Das B., Maiti M.	International Journal of Operational Research	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, WB 721102, India; Department of Mathematics, Sidho-Kanho-Birsha University, Purulia, WB, India
Assessment and modeling of fish diversity related to water bodies of Bankura district, West Bengal, India, for sustainable management of culture practices	Bhattacharya M., Chini D.S., Kar A., Patra B.C., Malick R.C., Kumar Das B.	Environment, Development and Sustainability	2018		ICAR - Central Inland Fisheries Research Institute, Manirampore, Barrackpore, Kolkata, West Bengal 700 120, India; Department of Aquaculture Management and Technology, Centre For Aquaculture Research, Extension & Livelihood, Vidyasagar University, Midnapore, West Bengal 721102, India
Integrated catalytic system between biological and	Saha S., Rana G.,	Asian Journal of	2018		Department of Biotechnology, Vidyasagar

non-biological materials for the biodegradation of toxic methyl-parathion into non-toxic compounds	Mukhopadhyay A., Mondal A., Mandal T.	Microbiology, Biotechnology and Environmental Sciences			University, Rangamati-West-Midnapore-W.B., 721 102, India; Department of Biotechnology, Oriental Institute of Science and Technology, Rangamati-West-Midnapore-W.B., 721 102, India; Agricultural Chemicals, Indian Agricultural Research Institute, New Delhi, 110 012, India
Restoration of uterine redox-balance by methanolic extract of <i>Camellia sinensis</i> in arsenicated rats	Dey A., Chattopadhyay S., Jana S., Giri M.K., Khatun S., Dash M., Perveen H., Maity M.	Acta Biologica Szegediensis	2018		Department of Biomedical Laboratory Science and Management, Clinical Nutrition and Dietetics Division, (UGC Innovative Department), Vidyasagar University, Midnapore, West Bengal, 721102, India
Inventory model with demand as type-2 fuzzy number: A fuzzy differential equation approach	Debnath B.K., Majumder P., Bera U.K., Maiti M.	Iranian Journal of Fuzzy Systems	2018		Department of Mathematics, National Institute of Technology, Agartala, 799046, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Controlling GHG emission from industrial waste perusal of production inventory model with fuzzy pollution parameters	Manna A.K., Dey J.K., Mondal S.K.	International Journal of Systems Science: Operations and Logistics	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, India
Transient magnetohydrodynamic (MHD) Casson fluid flow past an oscillating rotating vertical plate embedded in a porous medium	Das S., Banu A.S., Sensharma A., Jana R.N.	Special Topics and Reviews in Porous Media	2018		Department of Mathematics, University of Gour Banga, Malda, 732 103, India; Department of Physics, University of Gour Banga, Malda, 732 103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721 102, India
Quality and pricing decisions for substitutable items under imperfect production process over a random planning horizon	De M., Das B., Maiti M.	Hacettepe Journal of Mathematics and Statistics	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, WB 721102, India; Department of Mathematics, Sidho-Kanho-Birsha University, Purulia, WB, India
Influence of rotational buoyancy on magneto-	Das S., Tarafdar B.,	European Journal of	2018		Department of Mathematics, University of

radiationâ€™convection near a rotating vertical plate	Jana R.N., Makinde O.D.	Mechanics, B/Fluids			Gour Banga, Malda, 732 103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721 102, India; Faculty of Military Science, Stellenbosch University, Private Bag X2, Saldanha, 7395, South Africa
Simulation approach to solve fuzzy fixed charge multi-item solid transportation problems under budget constraint	Giri P.K., Maiti M.K., Maiti M.	International Journal of Operational Research	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Paschim-Medinipur, WB 721102, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, Purba-Medinipur, WB 721628, India
Mixture inventory model of lost sale and back-order with stochastic lead time demand on permissible delay in payments	Mallick R.K., Patra K., Mondal S.K.	Annals of Operations Research	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, W.B. 721102, India; Department of Mathematics, Vivekananda Satavarshiki Mahavidyalaya, Manikpara, Paschim Medinipur, W.B. 721513, India
Bipolar fuzzy Dombi aggregation operators and its application in multiple-attribute decision-making process	Jana C., Pal M., Wang J.-Q.	Journal of Ambient Intelligence and Humanized Computing	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; School of Business, Central South University, Changsha, 410083, China
Trend of public library research in India: A bibliometric study	Bhui T., Sahoo S.	Library Philosophy and Practice	2018		Debra Thana S.K.S Mahavidyalay, Balichak, Paschim Midnapore, India; ICSSR Research Fellow, Dept. of Library and Information Science Vidyasagar University, Midnapore, India
Comparative genomics of Mycobacterium reveals evolutionary trends of M. avium complex	Saha M.S., Pal S., Sarkar I., Roy A., Das Mohapatra P.K., Sen A.	Genomics	2018		Bioinformatics Facility, Department of Botany, University of North Bengal, Darjeeling, 734013, India; Department of Microbiology, Vidyasagar University, Midnapore, 721102, India; Department of Microbiology, Raiganj University, Raiganj, 733134, India
Entropy generation analysis for	Das S., Chakraborty	Special Topics and	2018		Department of Mathematics, University of

magneto hydrodynamic peristaltic transport of copper-water nanofluid in a tube filled with porous medium	S., Sensharma A., Jana R.N.	Reviews in Porous Media			Gour Banga, Malda, 732 103, India; Department of Physics, University of Gour Banga, Malda, 732 103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721 102, India
Dynamics of a predator-prey model with stage-structure on both species and anti-predator behavior	Mortoja S.G., Panja P., Mondal S.K.	Informatics in Medicine Unlocked	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, W.B. 721102, India; Department of Applied Science, Haldia Institute of Technology, Purba Midnapore, Haldia, W.B. 721657, India
Stability study of gain and energy resolution for GEM detector	Roy S., Rudra S., Shaw S., Chatterjee S., Chakraborty S., Adak R.P., Biswas S., Das S., Ghosh S.K., Prasad S.K., Raha S.	Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment	2018		Department of Physics and Centre for Astroparticle Physics and Space Science (CAPSS), Bose Institute, EN-80, Sector V, Kolkata, 700091, India; Santragachi, Jagacha, G.I.P. Colony, Howrah, West Bengal 711 112, India; Vidyasagar University, Vidyasagar University Road, Rangamati, Medinipur West Bengal 721102, India; Seacom Engineering College, JL-2: Jaladhulagori (Via Andul Mouri), Sankrail, Howrah-711 302 West Bengal, India
Arecoline plays dual role on adrenal function and glucose-glycogen homeostasis under thermal stress in mice	Dasgupta R., Saha I., Ray P.P., Maity A., Pradhan D., Sarkar H.P., Maiti B.R.	Archives of Physiology and Biochemistry	2018		Department of Zoology, University of Calcutta, Calcutta, India; Department of Zoology, Sarsuna College, Calcutta, India; Department of Zoology, Bangabasi College, Calcutta, India; Department of Zoology, Vidyasagar University, West Midnapore, India
Structural and electrical properties of Gd-doped BiFeO ₃ :BaTiO ₃ (3:2) multiferroic ceramic materials	Kar B.S., Goswami M.N., Jana P.C., Das P.S.	Journal of Materials Science: Materials in Electronics	2018		Department of Physics and Techno Physics, Vidyasagar University, Midnapore, West Bengal, India; Department of Physics, Midnapore College (Autonomous), Midnapore, West Bengal, India; Department of Physics, Panskura Banamali College (Autonomous), Panskura, West Bengal, India
Length-weight relationships of three freshwater	Chini D.S.,	Journal of Applied	2018		Centre For Aquaculture Research, Extension

fish species from Rupnaryan and Kangsabati River, West Bengal, India	Bhattacharya M., Kar A., Malick R.C., Patra B.C., Patra S., Das B.K.	Ichthyology			and Livelihood, Department of Aquaculture Management and Technology, Vidyasagar University, Midnapore, India; ICAR-Central Inland Fisheries Research Institute, Barrackpore, Kolkata, India; Sabang Sajani Kanta Mahavidyalaya, Lutunia, Paschim Medinipur, India
A study on bipolar fuzzy planar graph and its application in image shrinking	Pramanik T., Pal M., Mondal S., Samanta S.	Journal of Intelligent and Fuzzy Systems	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Department of Mathematics, Raja N. L. Khan Women's College, Midnapore, India; Department of Mathematics, Tamralipta Mahavidyalaya, Tamluk, India
Involvement of metallothionein, homocysteine and B-vitamins in the attenuation of arsenic-induced uterine disorders in response to the oral application of hydro-ethanolic extract of Moringa oleifera seed: a preliminary study	Jana S., Chattopadhyay S., Dey A., Perveen H., Dolai D.	Drug and Chemical Toxicology	2018		Department of Biomedical Laboratory Science and Management, and Clinical Nutrition and Dietetics division, (UGC Innovative Department), Vidyasagar University, Midnapore, India; Department of Physiology, Midnapore Medical College and Hospital, Midnapore, India
A multi-objective solid transportation problem with reliability for damageable items in random fuzzy environment	Pramanik S., Maity K., Kumar Jana D.	International Journal of Operational Research	2018		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721 102, India; Department of Mathematics, Mugberia Gangadhar Mahavidyalaya, Bhupatinagar, Purba Medinipur, W.B., India; Department of Applied Science, Haldia Institute of Technology, Haldia, Purba Midna Pur, West Bengal 721657, India
Antigen conjugated nanoparticles reprogrammed the tumor-conditioned macrophages toward pro-immunogenic type through regulation of NADPH oxidase and p38MAPK	Chattopadhyay S., Roy S.	Cytokine	2019		Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal 721 102, India; Molecular Genetics and Therapeutics Lab, Indian Institute of Technology, Kanpur, India
Copper(II) and cobalt(II) complexes of 5-methyl	Santra A., Brandao	Journal of	2018		Post Graduate Department of Chemistry,

pyrazole-3-carboxylic acid: synthesis, X-ray crystallography, thermal analysis and in vitro antimicrobial activity	P., Jana H., Mondal G., Bera P., Jana A., Bera P.	Coordination Chemistry			Panskura Banamali College (Vidyasagar University), Panskura, West Bengal, India; Department of Chemistry, CICECO, University of Aveiro, Aveiro, Portugal; Department of Microbiology, Panskura Banamali College, Panskura, West Bengal, India
Evolution of Vesicular Self-Assemblies of the Salts of a Natural Triterpenoid Arjunolic Acid into Superstructured Ambidextrous Gels and Study of Their Entrapment Properties	Majumdar R., Bag B.G.	ChemistrySelect	2018		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Nano Science and Synthetic Leaf Laboratory, Center for Healthcare Science and Technology, Indian Institute of Engineering Science and Technology, Downing Hall, Shibpur, India
A solid transportation problem with additional constraints using Gaussian type-2 fuzzy environments	Halder Jana S., Giri D., Das B., Panigrahi G., Jana B., Maiti M.	Springer Proceedings in Mathematics and Statistics	2018		Department of Mathematics, Midnapore College [Autonomous], Midnapore, 721101, India; Department of Computer Science and Engineering, Haldia Institute of Technology, East Midnapore, Haldia, 721657, India; Department of Mathematics, Sidho Kanho Birsha University, Purulia, West Bengal 723104, India; Department of Mathematics, National Institute of Technology, Durgapur, West Bengal 713209, India; Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India
Modulation of the recirculation region due to magneto hydrodynamic flow	Roy S., Ghoshal S., Barman K., Das V.K., Ghosh S., Debnath K.	Engineering Science and Technology, an International Journal	2018		Fluid Mechanics and Hydraulic Laboratory (FMHL), Department of Aerospace Engineering and Applied Mechanics, Indian Institute of Engineering Science and Technology (IIST), Shibpur, 711103, India; Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Paschim Medinipur 721102 West

					Bengal, India
Multi-objective municipal solid waste management recycling problem in fuzzy-rough environment	Pramanik S., Maity K., Jana D.K., Mukherjee A.	International Journal of Process Management and Benchmarking	2018		Department of Applied Mathematics with Oceanology, Computer Programming, Vidyasagar University, WB, Midnapore, Pin-721102, India; Department of Mathematics, Mugberia Gangadhar Mahavidyalaya, WB, Bhupatinagar, Purba Medinipur, 721425, India; Department of Applied Science, Haldia Institute of Technology, West Bengal, Haldia Purba Midna Pur, 721657, India; Department of Chemical Engineering, Haldia Institute of Technology, WB, India
Interval-valued complex fuzzy sets and its application to the Malaysian economy	Selvachandran G., Pal M., Alhawari T.A.A., Salleh A.R.	International Journal of Fuzzy System Applications	2018		Department of Actuarial Science and Applied Statistics, UCSI University, Cheras, Malaysia; Department of Applied Mathematics, Vidyasagar University, Medinipur, India; Faculty of Science and Technology, Universiti Kebangsaan Malaysia, Bangi, Malaysia; School of Mathematical Sciences, Universiti Kebangsaan Malaysia, Bangi, Malaysia
Nano chloroquine delivery against Plasmodium berghei NK65 induced programmed cell death in spleen	Tripathy S., Chattopadhyay S., Dash S.K., Matsabisa M.G., Roy S.	Asian Pacific Journal of Tropical Medicine	2018		Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal, 721102, India; Department of Pharmacology, University of the Free State, Bloemfontein, 9300, South Africa; B.S. B. E. Indian Institute of Technology, Kanpur, Uttar Pradesh, India; University of Gour Banga, Malda, West Bengal, India
An approach towards quantification of ecosystem trophic status and health through ecological network analysis applied in Hooghly-Matla estuarine system, India	Mukherjee J., Karan S., Chakrabarty M., Banerjee A., Rakshit N., Ray S.	Ecological Indicators	2018		Systems Ecology & Ecological Modelling Laboratory, Department of Zoology, Visva-Bharati University, Santiniketan, 731235, India; Department of Environmental Science, Vidyasagar University West Bengal, India; Department of Conservation Biology, Durgapur Govt. College West Bengal, India;

					Department of Zoology, K.C. College, Hetampur, Birbhum West Bengal, India
Nodes in fuzzy block with application	Sumathi R., Sujatha R., Sundareswaran R., Sahoo S., Pal M., Pal A.	Journal of Intelligent and Fuzzy Systems	2018		Bharathiar University, Prince Shri Venkateshwara Padmavathy Engineering College, Chennai, India; Department of Mathematics, SSN College of Engineering, Old Mahabalipuram Road, Chennai, Tamil Nadu, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, India; Department of Mathematics, National Institute of Technology Durgapur, Durgapur, India
HYPO: A database of human hypothetical proteins	Sundararajan V.S., Malik G., Ijaq J., Kumar A., Das P.S., Shidhi P.R., Nair A.S., Dhar P.K., Suravajhala P.	Protein and Peptide Letters	2018		Bioclues.org, Kukatpally, Hyderabad, 500072, India; Environmental Health Institute, National Environment Agency, 11 Bio polis Way, #04-03/04, Helios Block, Singapore; Department of Pediatrics, The Battelle Center for Mathematical Medicine, The Research Institute at Nationwide Children's Hospital, The Ohio State University, Columbus, OH, United States; Department of Biotechnology, Osmania University, Hyderabad, 50007, India; Uttarakhand Council for Biotechnology (UCB), Silk Park, Prem Nagar, Dehradun, 248007, India; Department of Microbiology, Bioinformatics Infrastructure Facility, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Computational Biology and Bioinformatics, University of Kerala, Thiruvananthapuram, Kerala 695581, India; School of Biotechnology, Jawaharlal Nehru University, New Delhi, 110067, India; Department of Biotechnology and Bioinformatics, Birla Institute of Scientific Research, Statue Circle, Jaipur, Rajasthan 302001, India
Step-wise Land-class Elimination Approach for	Khan A., Chatterjee	Geocarto International	2017		Department of Geography, Lalbaba College,

extracting mixed-type built-up areas of Kolkata megacity	S., Akbari H., Bhatti S.S., Dinda A., Mitra C., Hong H., Doan Q.V.				Howrah, India; Department of Geography, Presidency University, Kolkata, India; Heat Island Group, Building, Civil and Environmental Engineering, Concordia University, Montreal, Canada; Department of Geography and Planning, School of Environmental Sciences, University of Liverpool, Liverpool, UK; Department of Geography and Environment Management, Vidyasagar University, Midnapore, India; Department of Geosciences, Auburn University, Auburn, AL, USA; Jiangxi Provincial Meteorological Observatory, Jiangxi Meteorological Bureau, Nanchang, China; Center for Computational Sciences, University of Tsukuba, Tsukuba, Japan
Discrimination and classification of mangrove forests using EO-1 Hyperion data: a case study of Indian Sundarbans	Kumar T., Mandal A., Dutta D., Nagaraja R., Dadhwal V.K.	Geocarto International	2017		Regional Remote Sensing Centre-East, National Remote Sensing Centre, Indian Space Research Organisation, Kolkata, India; Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, India; National Remote Sensing Centre, Indian Space Research Organisation, Hyderabad, India; Indian Institute of Space Science and Technology, Department of Space, Government of India, Thiruvananthapuram, India
Agricultural level of development: a comparative study between project and non-project area of JSW Bengal Steel Ltd. at Sundra Basin of Salboni block, Paschim Medinipur, West Bengal, India	Shee S.P., Maiti R.	City, Territory and Architecture	2017		Vidyasagar University, Paschim Medinipur, West Bengal 721102, India
From Surveys to Management: The Early Colonial State's Intervention in Water Resources of Bengal	Bhattacharya U.	Indian Historical Review	2017		Vidyasagar University, Midnapur, West Bengal, India
Solving fuzzy transportation problem using multi-choice goal programming	Maity G., Roy S.K.	Discrete Mathematics, Algorithms and Applications	2017		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal, 721102, India

Factual open cloze question generation for assessment of learner's knowledge	Das B., Majumder M.	International Journal of Educational Technology in Higher Education	2017		Department of Information Technology, Haldia Institute of Technology, Haldia, West Bengal, 721657, India; Department of Computer Centre, Vidyasagar University Midnapore, West Bengal, 721102, India
Slip flow of nanofluid past a vertical plate with ramped wall temperature considering thermal radiation	Das S., Sensharma A., Jana R.N., Sharma R.P.	Journal of Nanofluids	2017		Department of Mathematics, University of Gour Banga, Malda 732103, India; Department of Physics, University of Gour Banga, Malda 732103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721102, India; Department of Mathematics, JECRC University, Jaipur, Rajasthan 303905, India
Physicochemical investigation on the pulmonary surfactant of some vertebrates	Mukherjee S., Prestidge C.A., Orgeig S., Panda A.K., Moulik S.P.	Journal of Surface Science and Technology	2017		Centre for Surface Science, Department of Chemistry, Jadavpur University, Kolkata, West Bengal 700032, India; Sansom Institute for Health Research, School of Pharmacy and Medical Sciences, University of South Australia, Adelaide, SA 5000, Australia; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India
Signed Edge Domination Number of Interval Graphs	Sinha A.K., Rana A., Pal A.	Electronic Notes in Discrete Mathematics	2017		Department of Mathematics, NSHM Knowledge Campus-Durgapur, Maulana Abul Kalam Azad University of Technology, Durgapur, 713212, India; Department of Mathematics, Narajole Raj College, Vidyasagar University, Paschim Medinipur, Narajole, West Bengal 721211, India; Department of Mathematics, National Institute of Technology Durgapur, Durgapur, West Bengal 713209, India
The role of Dermcidin isoform-2 in the occurrence and severity of Diabetes	Bhattacharya S., Khan M.M., Ghosh C., Bank S., Maiti S.	Scientific Reports	2017		Sinha Institute of Medical Science and Technology West Bengal, India; PG Department of Biochemistry, Cell and Molecular Therapeutics Laboratory, Oriental Institute of Science and Technology,

					Midnapore, West Bengal, India; Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal, India
Lattice for nested rough approximation	Roy S.K., Rana D.	Journal of Discrete Mathematical Sciences and Cryptography	2017		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India
On $(\hat{I}_\pm, \hat{I}_\pm \hat{q}^2)$ -fuzzy soft bci-algebras	Jana C., Pal M.	Missouri Journal of Mathematical Sciences	2017		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
On degrees of m-polar fuzzy graphs with application	Ghorai G., Pal M.	Journal of Uncertain Systems	2017		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India
Approximation of bandwidth for the interactive operation in video on demand system	Kanrar S., Mandal N.K.	Proceedings of the International Conference on IoT in Social, Mobile, Analytics and Cloud, I-SMAC 2017	2017		Department of Computer Science, Vidyasagar University, Midnapore, 02, India; Department of Electrical Engineering, UEM University, Calcutta, 160, India
Two-Level Supply Chain of a Seasonal Deteriorating Item with Time, Price, and Promotional Cost Dependent Demand Under Finite Time Horizon	Pakhira N., Maiti M.K., Maiti M.	American Journal of Mathematical and Management Sciences	2017		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University West Bengal, India; Department of Mathematics, Mahishadal Raj College, Mahishadal, Purba-Medinipur, West Bengal, India
Attenuation of the cyproterone acetate-induced testicular hypofunction by a novel nutraceutical lycopene: a genomic approach	Tripathy A., Ghosh A., Dey A., Pakhira B.P., Ghosh D.	Andrologia	2017		Molecular Medicine and Nutrigenomics Research Laboratory, Department of Bio-Medical Laboratory Science and Management, Vidyasagar University, West Bengal, India
Impact of parasitic resistances on the electrical characteristics of a SiC MESFET	Dutta S.	Superlattices and Microstructures	2017		Department of Electronics, Vidyasagar University, Midnapur, West Bengal 721102, India; Department of Electronic Science, University of Calcutta, 92 A.P.C. Road, Kolkata, 700009, India

A comprehensive review on food and medicinal prospects of <i>astraeus hygrometricus</i>	Biswas G., Nandi S., Kula D., Acharya K.	Pharmacognosy Journal	2017		Department of Botany and Forestry, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Botany, Molecular and Applied Mycology and Plant Pathology Laboratory, University of Calcutta, 35, Ballygunge Circular Road, Kolkata, West Bengal 700019, India
Unmasking the masked gendered sociability: A case of the Indian software industry	Bhattacharyya A.	Marginalities in India: Themes and Perspectives	2017		Department of Sociology, Vidyasagar University, Midnapore, West Bengal, India
Reassessing the socio-economic condition among Muslim and Hindus: Comparative accounts	Panda S.	Marginalities in India: Themes and Perspectives	2017		Department of Anthropology, Vidyasagar University, Midnapore, India
Preface	Bhattacharyya A., Basu S.	Marginalities in India: Themes and Perspectives	2017		Department of Sociology, Vidyasagar University, Midnapore, West Bengal, India; School of Social Sciences, Central University of Gujarat, Gandhinagar, Gujarat, India
Marginalities in India: Themes and perspectives	Bhattacharyya A., Basu S.	Marginalities in India: Themes and Perspectives	2017		Department of Sociology, Vidyasagar University, Midnapore, West Bengal, India; School of Social Sciences, Central University of Gujarat, Gandhinagar, Gujarat, India
Situating marginalities in India: An introduction	Bhattacharyya A., Basu S.	Marginalities in India: Themes and Perspectives	2017		Department of Sociology, Vidyasagar University, Midnapore, West Bengal, India; School of Social Sciences, Central University of Gujarat, Gandhinagar, Gujarat, India
The empire, its law and the bankruptcy of anthropologists	Guha A.	Economic and Political Weekly	2017		Department of Anthropology, Vidyasagar University, Midnapore, West Bengal, India
Evaluation of Work-Related Musculoskeletal Disorders and Postural Stress of Female 'Jari' Workers	Pal A., Dhara P.	Indian Journal of Occupational and Environmental Medicine	2017		Department of Physiology, Panskura Banamali College, Purba Midnapore, India; Ergonomics and Sports Physiology Division, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore, West Bengal, India
Hall Effects on Unsteady MHD Reactive Flow Through a Porous Channel with Convective Heating at the Arrhenius Reaction Rate	Das S., Patra R.R., Jana R.N., Makinde O.D.	Journal of Engineering Physics and Thermophysics	2017		Department of Mathematics, University of Gour Banga, Malda, 732 103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721 102, India; Faculty of Military Science,

					Stellenbosch University, Private Bag X2, Saldanha, 7395, South Africa
Studies on serum biochemical parameters of trop T+ or trop Tâˆ´ cardiac patients and evaluation of risk factors for disease outcome with a correlation to dyslipidemic rat experiment	Khan M., Jana P., De S.K., Maiti S.	Comparative Clinical Pathology	2017		Post Graduate Department of Biochemistry, Cell & Molecular Therapeutics Laboratory, Oriental Institute of Science and Technology, Rangamati, Midnapore, WB 721102, India; Department of Zoology, Vidyasagar University, Midnapore, 721102, India
Bed roughness and grain sorting- an experimental study over fine to medium sand beds	Purkait B., Das Majumdar D., Mazumder R.	International Journal of Sediment Research	2017		Geological Studies Unit, Indian Statistical Institute, 203, B.T. Road, Kolkata, 700035, India; Department of Remote Sensing & GIS, Vidyasagar University, Midnapore, West-Bengal 721102, India; School of Biology, Earth and Environmental Sciences, University of New South Wales, Sydney, NSW 2052, Australia
Bundle pricing strategies for two complementary products with different channel powers	Giri R.N., Mondal S.K., Maiti M.	Annals of Operations Research	2017		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Design of a Directional Coupler based on UV-Induced LiNbO3 Waveguides	Ghosh T., Samanta B., Jana P.C., Ganguly P.	Journal of Optical Communications	2017		Department of Physics, Jhargram Raj College, Jhargram, 721507, India; Department of Physics, Panskura Banamali College, Panskura, 721152, India; Department of Physics and Technophysics, Vidyasagar University, Midnapur, 721102, India; Advanced Technology Development Centre, Indian Institute of Technology, Kharagpur, 721302, India
Potential targetability of multi-walled carbon nanotube loaded with silver nanoparticles photosynthesized from Ocimum tenuiflorum (tulsi extract) in fertility diagnosis	Jha P.K., Jha R.K., Rout D., Gnanasekar S., Rana S.V.S., Hossain M.	Journal of Drug Targeting	2017		School of Medical Science and Technology, Indian Institute of Technology, Kharagpur, India; Ministry of Environment Forest & Climate Change, National Institute of Animal Welfare, GOI, Faridabad, India; Department of Chemistry, Jhargram Raj College, Jhargram, Midnapore, West Bengal, India; Department of Biotechnology, Bharathidasan University, Tiruchirappalli, India;

					Department of Zoology and Toxicology, CCS University, Meerut, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, India
Study of the useful characteristics of the red pigments of <i>Serratia marcescens</i> strains isolated from the soil	Mandal R., Adhikari A., Rana G., Mandal T.	Journal of Applied Pharmaceutical Science	2017		Dept. of Biotechnology, Vidyasagar University, Rangamati, West Midnapore, West Bengal, 721102, India
Second-order slip flow of magneto-nanofluids along a stretching cylinder with prescribed heat flux	Das S., Sensharma A., Jana R.N., Makinde O.D.	Journal of Nanofluids	2017		Department of Mathematics, University of Gour Banga, Malda732103, India; Department of Physics, University of Gour Banga, Malda732103, India; Department of Applied Mathematics, Vidyasagar University, Midnapor, 721102, India; Faculty of Military Science, Stellenbosch University, Private Bag X2, Saldanha, 7395, South Africa
Stability of nanofluid flow through a vertical channel with wall thermal conductance and radiation	Das S., Sensharma A., Jana R.N., Sharma R.P.	Journal of Nanofluids	2017		Department of Mathematics, University of Gour Banga, Malda732103, India; Department of Physics, University of Gour Banga, Malda732103, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, 721102, India; Department of Mathematics, JECRC University, Jaipur, Rajasthan 303905, India
Have we learnt from singur? A retrospect	Guha A.	Economic and Political Weekly	2017		Vidyasagar University, West-Bengal, India
Link prediction in social networks	Samanta S., Pal M.	Graph Theoretic Approaches for Analyzing Large-Scale Social Networks	2017		Tamralipta Mahavidyalaya, India; Vidyasagar University, India
Fabrication and characterization of Al/n-CdSe Schottky barrier under different annealing temperatures	Manna A., Saha S., Saha S.C.	Chalcogenide Letters	2017		Department of Electronics, Vidyasagar University, Paschim Midnapur West Bengal 721 102, India; Department of Physics and Technophysics, Vidyasagar University, Paschim Midnapur West Bengal 721 102, India
Nutritional status among children and adolescents aged 6-18 years of Kolam tribe of Andhra Pradesh,	Bharthi K., Ghrilahre M., Das	Anthropological Review	2017		Department of Sociology and Social Anthropology, College of Social Sciences

India	S., Bose K.				and Humanities, Chamo Campus, Arba Minch University, Arba Minch, Ethiopia; Department of Anthropology and Tribal Development, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India; Department of Anthropology, Vidyasagar University, Medinipur, West Bengal, India
Biopulping of lignocellulose	Jana A., Ghosh D., Dasgupta D., Das Mohapatra P.K., Mondal K.C.	Lignocellulosic Production and Industrial Applications	2017		Biotechnology Conversion Area, Bio Fuels Division, CSIR-Indian Institute of Petroleum, Dehradun, Uttarakhand, India; Department of Microbiology, Vidyasagar University, Midnapore, West Bengal, India
Hydrogen containing fuel gas generation from organic wastes using photon activated magnesium metal catalyst	Rana G., Mandal T., Mandal N.K., Mandal S.	South African Journal of Chemical Engineering	2017		Bioconversion Laboratory, Department of Biotechnology, Vidyasagar University West Bengal, India; Department of Electrical Engineering, University of Engineering & Management West Bengal, India; Center for Research in Computer Science (CRCV), Department of Computer Science, University of Central Florida, United States
First report of Megodontolaimus coxbazari Timm, 1969 (Nematoda: Chromadorida) from the Indian coast	Datta T.K., De Jesu's Navarrete A., Chakraborty S.K., Mohapatra A.	Marine Biodiversity	2017		Marine Aquarium and Regional Centre, Zoological Survey of India, Digha, West Bengal, India; Department of Systematics and Aquatic Ecology, ECOSUR, Chetumal, Mexico; Department of Zoology, Vidyasagar University, Midnapore, West Bengal, India
Theoretical investigation of the molecular structure and spectroscopic properties of oxicams	Pacheco A.G., Salgado-Morán G., Gerli-Candia L., Ramírez-Tagle R., Glossman-Mitnik D., Misra A., de Carvalho Alcântara A.F.	Journal of Structural Chemistry	2017		Instituto Federal de Educação e Tecnologia do Sul de Minas Gerais, Inconfidentes, Brazil; Departamento de Ciencias, Facultad de Ciencias Exactas, Universidad Andrés Bello, Concepción, Chile; Departamento de Química Ambiental, Facultad de Ciencias, Universidad Católica de la Santísima Concepción, Concepción, Chile; Facultad de Ingeniería, Ciencia y Tecnología, Universidad Bernardo O'Higgins,

					Santiago, Chile; Laboratorio Virtual NANOCOSMOS, Centro de Investigación en Materiales Avanzados, Chihuahua, Mexico; Vidyasagar University, Midnapore, India; Universidade Federal de Minas Gerais, Belo Horizonte, Brazil
Characterization of magnetic phase in yttrium-doped polycrystalline $\text{La}_{1-x}\text{Y}_x\text{CaMnO}_3$ with $x=0.05, 0.33$ and $y=0.07$ using dielectric and optical parameters	Ghosh T.N., Nandi U.N., Jana D., Paramanik T.	Physica B: Condensed Matter	2017		Department of Electronics, Vidyasagar University, Midnapore-721 102, West Bengal, India; Department of Physics, Scottish Church College, 1 & 3, Urquhart Square, Kolkata, -700 006, India; Department of Physics, University of Calcutta, 92, A P C Road, Kolkata, -700 009, India; Department of Condensed Matter Physics and Material Sciences S. N. Bose National Centre for Basic Sciences, Block-JD, Sector-III, Salt Lake, Kolkata, -700106, India
An efficient novel single fault and its location detection technique using multiple droplets in a Digital Microfluidic Biochip	Majumder M., Dolai U., Bhattacharya A.	Proceedings of 2017 11th International Conference on Intelligent Systems and Control, ISCO 2017	2017		Department of Computer Centre, Vidyasagar University, Midnapore, India
Heteroglycan of an edible mushroom <i>Pleurotus cystidiosus</i> : Structural characterization and study of biological activities	Panda B.C., Maity P., Nandi A.K., Pattanayak M., Manna D.K., Mondal S., Tripathy S., Roy S., Acharya K., Islam S.S.	International Journal of Biological Macromolecules	2017		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore West Bengal 721102, India; Department of Chemistry, Panskura Banamali College, Purba Medinipur West Bengal 721152, India; Immunology and Microbiology Laboratory, Department of Human Physiology with Community Health, Vidyasagar University, Midnapore West Bengal 721 102, India; Molecular and Applied Mycology and Plant Pathology Laboratory, Department of Botany, University of Calcutta, 35, Ballygunge Circular Road, Kolkata, West Bengal 700019, India

Measurement of body composition by upper arm anthropometry	De K.	Current Pediatric Research	2017		Vidyasagar University West Bengal, India
The Calcutta cyclone of 1737: Cyclone or earthquake?	Chakrabarti R.	Force of Nature: Essays on History and Politics of Environment	2017		Vidyasagar University West Bengal, India
Exploring the semantic organization of Bangla words in the mental lexicon	Dutta R., Jana B., Majumder M.	Procedia Computer Science	2017		Hijli College, Kharagpur West Bengal, 721306, India; Vidyasagar University, Midnapore West Bengal, 721102, India
Buddha on Freud's desk: The east sets Freud on a post-therapeutic journey	Bandyopadhyay D.	Imperial Maladies: Literatures on Healthcare and Psychoanalysis in India	2017		Department of English, Vidyasagar University, Midnapore, West Bengal, India
Lawrence's response to Futurism in the letters vis-À-vis his representation of "what the woman is" in The Rainbow	Ghosh J.	Rupkatha Journal on Interdisciplinary Studies in Humanities	2017		Department of English, Vidyasagar University, Midnapore, West Bengal, India
Women, serpent and devil: Female devilry in hindu and biblical myth and its cultural representation: A comparative study	Chakraborty S.	Journal of International Women's Studies	2017		Department of English, Vidyasagar University, West Bengal, India
Monitoring vertical cliffs, embayments and shore platform morphology in parts of Neil island, South Andaman using spatial information technology	Paul A., Bandyopadhyay J., Paul A.Kr.	38th Asian Conference on Remote Sensing - Space Applications: Touching Human Lives, ACRS 2017	2017		Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Geography and EM, Vidyasagar University, Midnapore, West Bengal 721102, India
A mathematical model for the 3-D dynamics of lee wave across a meso-scale mountain corner	Das P., Dutta S., Mondal S.K.	Mausam	2017		Department of Mathematics, Ramananda College, Bishnupur, Bankura, WB, India; India Meteorological Department, Pune, 411 005, India; Vidyasagar University, Midnapore, West Bengal, India
Willingness to Pay for Improved Water Services: A Case of Darjeeling, India	Tamang P., Jana S.K.	Asian Journal of Water, Environment and Pollution	2017		Department of Economics, Presidency University, Kolkata, India; Department of Economics, Vidyasagar University, Midnapore, India
Imprecise constrained covering solid travelling salesman problem with credibility	Mukherjee A., Maity S., Panigrahi G., Maiti M.	Communications in Computer and Information Science	2017		Department of Mathematics, National Institute of Technology Durgapur, Durgapur, West Bengal 713209, India; Department of Computer Science, Vidyasagar University,

					Midnapore, West Bengal 721102, India; Department of Applied Mathematics, Vidyasagar University, Midnapore, West Bengal 721102, India
Cut-off point estimation of neck circumference to determine overweight and obesity among Asian Indian adults	Mondal N., Timungpi R., Kathar M., Hanse S., Teronpi S., Timung A., Bose K., Sen J.	Epidemiology Biostatistics and Public Health	2017		Department of Anthropology, Assam University, Diphu Campus, Diphu, Karbi Anglong, Assam, India; Department of Anthropology, Vidyasagar University, Midnapore West Bengal, India; Department of Anthropology, Vidyasagar University, Midnapore Assam, India; Department of Anthropology, North Bengal University, Raja Rammohunpur, Darjeeling, West Bengal, India
Dual-image based reversible data hiding scheme through pixel value differencing with exploiting modification direction	Biswapati J., Debasis G., Kumar M.S.	Advances in Intelligent Systems and Computing	2017		Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Computer Science and Engineering, Haldia Institute of Technology, Haldia, West Bengal 721657, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal 721102, India
An opposition based differential evolution to solve multiple sequence alignment	Pramanik S., Setua S.K.	Communications in Computer and Information Science	2017		Department of Computer Science, Vidyasagar University, Midnapore, West Bengal, India; Department of Computer Science and Engg, University of Calcutta, Kolkata, West Bengal, India
Risk analysis in a production system using fuzzy cognitive map	Patra K., Mondal S.K.	International Journal of Mathematics in Operational Research	2017		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, W.B. 721102, India
Hamming code-based watermarking scheme for image authentication and tampered detection	Pal P., Chowdhuri P., Jana B., Bhaumik J.	Lecture Notes in Electrical Engineering	2017		Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Electronics and Communication Engineering, HIT, Midnapore, West Bengal 721657, India
Imperial maladies: Literatures on healthcare and	Bandyopadhyay D.,	Imperial Maladies:	2017		Department of English, Vidyasagar

psychoanalysis in India	Kundu P.	Literatures on Healthcare and Psychoanalysis in India			University, Midnapore, West Bengal, India; Department of English, Chandrakona Vidyasagar Mahavidyalaya, Paschim Medinipur, West Bengal, India
Functional link artificial neural network for multi-label classification	Law A., Chakraborty K., Ghosh A.	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	2017		Machine Intelligence Unit, Indian Statistical Institute, Kolkata, 700108, India; Department of Computer Science, Vidyasagar University, Medinipur, 721102, India
Wavelet-based image compression using SPIHT and windowed Huffman coding with limited distinct symbol and its variant	Nandi U., Mandal J.K.	Advances in Intelligent Systems and Computing	2017		Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Computer Science and Engineering, University of Kalyani, Nadia West Bengal 741235, India
A mitogenomic exploration of the phylogeny and evolution of extant anurans	Pratihari S., Dutta S.K., Bhattacharya M., Clark H.	Russian Journal of Herpetology	2017		Sukumar Sengupta Mahavidyalaya, Paschim Medinipur, Keshpur, West Bengal 721150, India; Nature Environment and Wildlife Society, Nature House, Gaudasahi, Angul, Odisha, India; Aquaculture Research Unit, Vidyasagar University, Midnapore, West Bengal, India; Colibri Ecological Consulting, Fresno, CA, United States
Preface	Bandyopadhyay D., Kundu P.	Imperial Maladies: Literatures on Healthcare and Psychoanalysis in India	2017		Department of English, Vidyasagar University, Midnapore, West Bengal, India; Department of English, Chandrakona Vidyasagar Mahavidyalaya, Paschim Medinipur, West Bengal, India
Agent based IDS using RMBOPB technique in MANET	Hassan K.L., Bera S., Bag P.	Communications in Computer and Information Science	2017		Department of Computer Science and Engineering, Aliah University, Kolkata, West Bengal, India; Department of Computer Science, Vidyasagar University, Midnapore, West Bengal, India
Models for solid transportation problems in logistics using particle swarm optimisation algorithm and genetic algorithm	Baidya A., Bera U.K., Maiti M.	International Journal of Logistics Systems and Management	2017		Department of Mathematics, National Institute of Technology, Agartala, Jirania, West Tripura, 799055, India; Department of

					Applied Mathematics, Vidyasagar University, Midnapore, WB, 721102, India
Extended directional IPVO for reversible data hiding scheme	Meikap S., Jana B.	Lecture Notes in Electrical Engineering	2017		Department of Computer Science, Hijli College, Paschim Midnapore, West Bengal 721306, India; Department of Computer Science, Vidyasagar University, Midnapore, 721102, India
Hyperspectral image analysis for iron mineral exploration and spectral unmixing study in Kiriburu and Meghahataburu Mining Areas, West Singhbhum, Jharkhand	Kayet N., Pathak K., Chakrabarty A., Sahoo S.	38th Asian Conference on Remote Sensing - Space Applications: Touching Human Lives, ACRS 2017	2017		Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, India; Department of Mining Engineering, Indian Institute of Technology, Kharagpur, Kharagpur, India; Department of Remote Sensing and GIS, Vidyasagar University, Midnapore, India; School of Water Resources, Indian Institute of Technology, Kharagpur, India
Computation of inverse 1-centre location problem on the weighted interval graphs	Jana B., Mondal S., Pal M.	International Journal of Computing Science and Mathematics	2017		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India; Department of Mathematics, Raja N. L. Khan Women's College, Gope Palace, Paschim Medinipur, 721102, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721102, India
Palladium-Catalyzed Intramolecular Cyclization: Access to Rare Pentacyclic N-Fused Heterocycles	Kumar Mondal S., Ali S.A., Kumar Manna S., Mandal A., Kumar Senapati B., Hossain M., Samanta S.	ChemistrySelect	2017		Department of Chemistry, Bidhannagar College, Kolkata, 700064, India; Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Chemistry, Prabhat Kumar College, Contai, 721401, India
Solving a solid transportation problems through fuzzy ranking	Halder(Jana) S., Das B., Panigrahi G., Maiti M.	Lecture Notes in Electrical Engineering	2017		Department of Mathematics, Midnapore College, Midnapore, India; Department of Mathematics, Sidho Kanho Birsha University, Purulia, India; Department of Mathematics, NIT Durgapur, Durgapur,

					India; Department of Mathematics, Vidyasagar University, Midnapore, India
Synthesis of a Naturally Occurring Plant Alkaloid Berberine Analogue and Its Application in Nanomolar Selective Detection of Hydrazine in Free and DNA-Binding Situation.	Jana G.C., Nayim S., Khatun M., Das S., Patra A., Sahoo N.K., Jha P.K., Mandal S., Chaudhuri K., Hossain M.	ChemistrySelect	2017		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, West Bengal 721102, India; School of Medical Science and Technology, Indian Institute of Technology, Kharagpur, 721302, India; Molecular and Human Genetics Division, Indian Institute of Chemical Biology, Kolkata, West Bengal 700032, India
Incorporation of ghee residue as feed ingredient for Labeo rohita fingerlings	Singh P., Paul B.N., Rana G.C., Mandal R.N., Chakrabarti P.P., Giri S.S.	Animal Nutrition and Feed Technology	2017		Regional Research Centre of Central, Institute of Freshwater Aquaculture Rahara, Kolkata, 700 118, India; Dept. of Aquaculture Management and Technology, Vidyasagar University, Midnapore, 721102, India; Central Institute of Freshwater Aquaculture, Kausalyaganga, Bhubaneswar, 751002, India
Soft congruence relation over lattice	Bera S., Roy S.K., Karaaslan F.	Hacetatepe Journal of Mathematics and Statistics	2017		Department of Applied Mathematics with Oceanology, Computer Programming Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Mathematics, Ankara Karatekin University, Ankara, 18100, Turkey; Department of Mathematics, University of Gaziosmanpasa, Tokat, 60100, Turkey
Prices and order quantities of substitutable products in an EPQ model over different uncertain finite budget constraints	Das R.L., Jana R.K., De M., Maiti M.	Journal of Intelligent and Fuzzy Systems	2017		Department of Applied Mathematics and Humanities, Sardar Vallabhbhai National Institute of Technology, Surat, Gujarat, 395007, India; Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, West Bengal, India
Air temperature variability and trend analysis by non-parametric test for Kolkata observatory, West Bengal, India	Khan A., Chatterjee S., Bisai D.	Indian Journal of Geo-Marine Sciences	2017		Department of Geography and Environment Management, Vidyasagar University, Midnapore, 721102, India; Department of Geography, Presidency University, Kolkata,

					700073, India; Department of Geography, Egra S.S.B.College, Egra, 721429, India
Stochastic bi level programming with multi-choice for Stackelberg game via fuzzy programming	Roy S.K., Maiti S.K.	International Journal of Operational Research	2017		Department of Applied Mathematics with Oceanology and Computer Programming, Vidyasagar University, Midnapore, 721 102, India; School of Applied Sciences and Humanities, Haldia Institute of Technology, Purba Midnapore, 721 157, India
Production and environmental performances of selected steel plants in India: An empirical investigation	Paul B.D., Sinha M., Kumar Jana S., Pratim Sengupta P.	International Journal of Economic Research	2017		Department of Hospital Management, NSHM Knowledge Campus - Durgapur, West-Bengal, 713212, India; Department of Humanities and Social Sciences, National Institute of Technology Durgapur, West-Bengal, 713209, India; Department of Economics with Rural Development, Vidyasagar University, Midnapore-West-Bengal, 721102, India
Representation and exploring the semantic organization of Bangla word in the mental lexicon: Evidence from cross-modal priming experiments and vector space model	Dutta R., Jana B., Majumder M.	Lecture Notes in Electrical Engineering	2017		Department of Computer Science, Hijli College, Kharagpur, West Bengal 721306, India; Department of Computer Science, Vidyasagar University, Midnapore, West Bengal 721102, India; Department of Computer Science and application, University of North Bengal, Darjeeling, West Bengal 734014, India
First Hierarchical Self-Assembly of a Seco-Triterpenoid \pm -Onocerin Yielding Supramolecular Architectures	Bag B.G., Hasan S.N., Pongpamorn P., Thasana N.	ChemistrySelect	2017		Department of Chemistry and Chemical Technology, Vidyasagar University, Midnapore, 721102, India; Chulabhorn Graduate Institute, Chemical Biology Program Chulabhorn Royal Academy, Laksi, Bangkok, 10210, Thailand; Chulabhorn Research Institute, Laksi, Bangkok, 10210, Thailand; Center of Excellence on Environmental Health and Toxicology (EHT), CHE, Ministry of Education, Thailand