

International Collaboration

Active MoU with International Institutes & Organizations:

SI No	Name of the Institutes & Organisation	Year of signing MoU
1	IARC WHO	2016-2017
2	“AUREL VLAICU” University of Arad, Romania	2017-2018
3	Backseok University(BU) Republic of Korea	2017-2018
4	College of Electrical Engineering and Computer Science (EECS), National Taipei University of Technology (Taipei Tech), Taiwan.	2017-2018
5	The university of Padova	2018-2019
6	Jan Wyżykowski University, Poland	2018-2019
7	National Taipei University of Technology	2018-2019
8	Firma Polkowski Comp Expert, Poland	2018-2019
9	National Chin-Yi University of Technology, Taiwan	2021-2022
10	Malayer University, Iran	2021-2022
11	University Malaya	2021-2022

Publication on Indexed Journal with International Collaboration

SMU incentivize faculty members who published their work in Indexed Journal considering the SDGs with International Collaboration

SI No	Title	Authors	Affiliations	Journal Name	Publisher	ISSN
1	Recent Advances in Cancer Vaccines: Challenges, Achievements, and Futuristic Prospects	Gupta M., Wahi A., Sharma P., Nagpal R., Raina N., Kaurav M., Bhattacharya J., Rodrigues Oliveira S.M., Dolma K.G., Paul A.K., de Lourdes Pereira M., Wilairatana P., Rahmatullah M., Nissapatorn V.	Department of Pharmaceutics, School of Pharmaceutical Sciences, Delhi Pharmaceutical Sciences and Research University, New Delhi, 110017, India; Department of Pharmaceutics, KIET Group of Institutions Delhi-NCR, Meerut Road (NH-58), Ghaziabad, 201206, India; School of Biotechnology, Jawaharlal Nehru University, New Delhi, 110067, India; CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, 3810-193, Portugal; Hunter Medical Research Institute, New Lambton Heights, NSW 2305, Australia; Department of Microbiology, Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University, Gangtok, 737102, India; School of Pharmacy and Pharmacology, University of Tasmania, Hobart, TAS 7001, Australia; Department of Medical Sciences, University of Aveiro, Aveiro, 3810-193, Portugal; Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University, Bangkok, 10400, Thailand; Department of Biotechnology	Vaccines	MDPI	2076393X

			& Genetic Engineering, University of Development Alternative, Dhaka, Lalmatia, 1207, Bangladesh; School of Allied Health Sciences and World Union for Herbal Drug Discovery (WUHeDD), Walailak University, Nakhon Si Thammarat, 80160, Thailand			
2	An Enhanced Hyper-Parameter Optimization of a Convolutional Neural Network Model for Leukemia Cancer Diagnosis in a Smart Healthcare System	Awotunde J.B., Imoize A.L., Ayoade O.B., Abiodun M.K., Do D.-T., Silva A., Sur S.N.	Department of Computer Science, Faculty of Information and Communication Sciences, University of Ilorin, Ilorin, 240003, Nigeria; Department of Electrical and Electronics Engineering, Faculty of Engineering, University of Lagos, Lagos, Akoka, 100213, Nigeria; Department of Electrical Engineering and Information Technology, Institute of Digital Communication, Ruhr University, Bochum, 44801, Germany; Department of Computing and Information Science, School of Pure Applied Sciences, College of Science, Bamidele Olumilua University of Education, Science Technology, Ikere-Ekiti, 361264, Nigeria; Department of Computer Science, Landmark University, Omu-Aran, 251103, Nigeria; Department of Computer Science and Information Engineering, College of Information and Electrical Engineering, Asia University, Taichung, 41354, Taiwan; Instituto de Telecomunicações (IT) and	Sensors	MDPI	14248220

			Departamento de Eletrónica, Telecomunicações e Informática (DETI), University of Aveiro, Aveiro, 3810-193, Portugal; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, Sikkim, Rangpo, 737136, India			
3	Machine Learning Algorithms for understanding the determinants of under-five Mortality	Saroj R.K., Yadav P.K., Singh R., Chilyabanyama O.N.	Department of Community Medicine, Sikkim Manipal Institute of Medical Sciences-Sikkim Manipal University, Sikkim, Gangtok, 737102, India; Department of Biostatistics and Epidemiology, International Institute for Population Sciences, Mumbai, 400088, India; Department of Mathematics and Statistics, Banasthali Vidyapith, Vanasthali Rd, Aliyabad, Rajasthan, Tonk, 304022, India; Centre for Infectious Disease Research in Zambia, Lusaka, Zambia; African Centre of Excellency in Data Science (ACEDS), University of Rwanda, KK 737 Street, Gikondo, Kigali, Rwanda	BioData Mining	BioMed Central Ltd	17560381
4	Self-sustained non-equilibrium co-existence of fluid and solid states in a strongly coupled complex plasma system	Hariprasad M.G., Bandyopadhyay P., Nikolaev V.S., Kolotinskii D.A., Arumugam S., Arora G., Singh S., Sen A., Timofeev A.V.	Institute for Plasma Research, A CI of Homi Bhabha National Institute, Bhat, Gujarat, Gandhinagar, 382428, India; Moscow Institute of Physics and Technology, Moscow Region, Dolgoprudnyi, 141701, Russian Federation; Joint Institute for High Temperatures, Russian Academy of	Scientific Reports	Nature Research	20452322

			Sciences, Moscow, 125412, Russian Federation; Department of Physics, Sikkim Manipal Institute of Technology, Sikkim, Majitar, 737136, India; National Research University Higher School of Economics, Moscow, 123458, Russian Federation			
5	Improving depression and perceived social support enhances overall quality of life among myocardial infarction survivors: necessity for integrating mental health care into cardiac rehabilitation programs	Upadhyay V., Bhandari S.S., Rai D.P., Dutta S., García-Grau P., Vaddiparti K.	Department of Psychiatry, Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University, Sikkim, 737102, India; Department of Cardiology, Sir Thutob Namgyal Memorial Multispecialty Hospital, Sikkim, 737102, India; Programa de Maestro de Educación Infantil, Universidad Católica de Valencia, San Vicente, Mártir, Valencia, Spain; Department of Epidemiology, University of Florida, Gainesville, United States	Egyptian Journal of Neurology, Psychiatry and Neurosurgery	Springer Science and Business Media Deutschland GmbH	11101083
6	In search of COVID-19 transmission through an infected prey	Natiq H., Saha A.	Information Technology Collage, Imam Ja'afar Al-Sadiq University, Baghdad, Iraq; Department of Mathematics, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, Rangpo, East-Sikkim, Gangtok, 737136, India	European Physical Journal: Special Topics	Springer Science and Business Media Deutschland GmbH	19516355
7	An Improved Deep-Learning-Based Mask R-CNN Model for	Sahoo P.K., Mishra S., Panigrahi R., Bhoi A.K., Barsocchi P.	School of Computer Engineering, KIIT Deemed to be University, Bhubaneswar, 751024, India; Department of Computer Applications, Sikkim Manipal Institute of	Sensors	MDPI	14248220

	Laryngeal Cancer Detection Using CT Images		Technology, Sikkim Manipal University, Majitar, Rangpo, 737136, India; KIET Group of Institutions, Delhi-NCR, Ghaziabad, 201206, India; Directorate of Research, Sikkim Manipal University, Gangtok, 737102, India; Institute of Information Science and Technologies, National Research Council, Pisa, 56124, Italy			
8	A lightweight asymmetric U-Net framework for acute ischemic stroke lesion segmentation in CT and CTP images	Kumar A., Ghosal P., Kundu S.S., Mukherjee A., Nandi D.	Department of Computer Science and Engineering, NIT Durgapur713209, India; Department of Information Technology, Sikkim Manipal Institute of Technology737136, India; Department of Computer Science and Engineering, SRM Institute of Science and Technology, Kattankulathur, 603203, India; Department of Interventional Radiology, Rashid Hospital, Dubai, 4545, United Arab Emirates	Computer Methods and Programs in Biomedicine	Elsevier Ireland Ltd	1692607
9	Qutrit-Inspired Fully Self-Supervised Shallow Quantum Learning Network for Brain Tumor Segmentation	Konar D., Bhattacharyya S., Panigrahi B.K., Behrman E.C.	IIT Delhi, Department of Electrical Engineering, New Delhi, 110016, India; Sikkim Manipal Institute of Technology, Department of Computer Science and Engineering, Sikkim, 737136, India; CHRIST (Deemed to be University), Department of Computer Science and Engineering, Bengaluru, 560029, India; Wichita State University, Department of Mathematics and Physics, Wichita, KS 67260, United States	IEEE Transactions on Neural Networks and Learning Systems	Institute of Electrical and Electronics Engineers Inc.	2162237X

10	Virulence Characteristics and Emerging Therapies for Biofilm-Forming <i>Acinetobacter baumannii</i> : A Review	Dolma K.G., Khati R., Paul A.K., Rahmatullah M., de Lourdes Pereira M., Wilairatana P., Khandelwal B., Gupta C., Gautam D., Gupta M., Goyal R.K., Wiart C., Nissapatorn V.	Department of Microbiology, Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University, Sikkim, Gangtok, 737102, India; School of Pharmacy and Pharmacology, University of Tasmania, Hobart, TAS 7001, Australia; Department of Biotechnology & Genetic Engineering, University of Development Alternative, Dhaka, Lalmatia, 1207, Bangladesh; CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, 3810-193, Portugal; Department of Medical Sciences, University of Aveiro, Aveiro, 3810-193, Portugal; Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University, Bangkok, 10400, Thailand; Department of Medicine, Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University, Sikkim, Gangtok, 737102, India; Department of Biotechnology, Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University, Sikkim, Gangtok, 737102, India; Department of Pharmaceutics, Delhi Pharmaceutical Sciences and Research University, New Delhi, 110017, India; Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah, Kota Kinabalu, 88400, Malaysia; School of Allied Health Sciences and World Union	Biology	MDPI	20797737
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			for Herbal Drug Discovery (WUHeDD), Walailak University, Nakhon Si Thammarat, 80160, Thailand			
11	A Frequency Reconfigurable MIMO Antenna with Bandstop Filter Decoupling Network for Cognitive Communication	Islam H., Das S., Ali T., Bose T., Prakash O., Kumar P.	Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Gangtok, 737136, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Gangtok, 737136, India; Department of Electronics and Communication Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, 576104, India; ECE Department, Sri Venkateswara College of Engineering & Technology, Chittoor, 517127, India; Discipline of Electrical, Electronic and Computer Engineering, University of KwaZulu-Natal, Durban, 4041, South Africa	Sensors	MDPI	14248220
12	A Review of Energy Efficiency and Power Control Schemes in Ultra-Dense Cell-Free Massive MIMO Systems for Sustainable 6G	Imoize A.L., Obakhena H.I., Anyasi F.I., Sur S.N.	Department of Electrical and Electronics Engineering, Faculty of Engineering, University of Lagos, Lagos, Akoka, 100213, Nigeria; Department of Electrical Engineering and Information Technology, Institute of Digital Communication, Ruhr University, Bochum, 44801, Germany; Department of Electrical and Electronics Engineering, Faculty of Engineering and Technology, Ambrose Alli University, Ekpoma,	Sustainability (Switzerland)	MDPI	20711050

	Wireless Communication		310101, Nigeria; Department of Electrical and Electronics Engineering, Faculty of Engineering, University of Benin, Benin City, 300283, Nigeria; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Gangtok, 737136, India			
13	Multiperiodic and chaotic wave phenomena of collective ion dynamics under KP-type equation in a magnetised nonextensive plasma	Saha A., Pradhan B., Natiq H.	Department of Mathematics, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, East-Sikkim, Rangpo, 737136, India; Information Technology College, Imam Ja'afar Al-Sadiq University, Baghdad, Iraq	Physica Scripta	Institute of Physics	318949
14	Crop Diversification in South Asia: A Panel Regression Approach	Singh P., Adhale P., Guleria A., Bhoi P.B., Bhoi A.K., Bacco M., Barsocchi P.	Department of Economics and Sociology, Punjab Agricultural University, Ludhiana, 141004, India; KIET Group of Institutions, Delhi-NCR, Ghaziabad, 201206, India; Directorate of Research, Sikkim Manipal University, Gangtok, 737102, India; AB-Tech eResearch (ABTeR), Burla, 768018, India; Institute of Information Science and Technologies, National Research Council, Pisa, 56124, Italy	Sustainability (Switzerland)	MDPI	20711050

15	Structural analysis and magnetic properties of cobalt-doped nanotitania	Misra K.P., Kumawat A., Bandopadhyay A., Modak B., Mukherjee S.K., Babu P.D., Kabi S., Chattopadhyay S., Misra R.D.K.	Department of Physics, School of Basic Sciences, Manipal University Jaipur, Rajasthan, Jaipur, 303007, India; Department of Physics, University of Gour Banga, West Bengal, Malda, 732103, India; Theoretical Chemistry Section, Chemistry Division, Bhabha Atomic Research Centre, Mumbai, 400085, India; Department of Physics, Birla Institute of Technology, Mesra, Jharkhand, Ranchi, 835215, India; UGC-DAE Consortium for Scientific Research, R5 Shed, Bhabha Atomic Research Centre, Mumbai, 400085, India; Department Physics, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, 737136, India; Metallurgical, Materials and Biomedical Engineering, University of Texas at El Paso, 500 W University, El Paso, TX 79968, United States	Materials Science and Engineering: B	Elsevier Ltd	9215107
16	Hybrid Precoding Algorithm for Millimeter-Wave Massive MIMO-NOMA Systems	Sur S.N., Kandar D., Silva A., Nguyen N.D., Nandi S., Do D.-T.	Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Gangtok, 737136, India; Department of Information Technology, North Eastern Hill University, Meghalaya, Shillong, 793022, India; Instituto de Telecomunicações (IT), Departamento de Eletrónica, Telecomunicações e Informática (DETI), University of	Electronics (Switzerland)	MDPI	20799292

			<p>Aveiro, Aveiro, 3810-193, Portugal; Faculty of Mechanical-Electrical and Computer Engineering, School of Engineering and Technology, Van Lang University, 69/68 Dang Thuy Tram Street, Ward 13, Binh Thanh District, Ho Chi Minh City, 70000, Viet Nam; Department of Computer Science, Indian Institute of Technology Guwahati, Assam, Guwahati, 781039, India; Department of Computer Science and Information Engineering, College of Information and Electrical Engineering, Asia University, Taichung City, 41354, Taiwan</p>			
17	<p>Performance of Machine Learning Classifiers in Classifying Stunting among Under-Five Children in Zambia</p>	<p>Chilyabanyama O.N., Chilengi R., Simuyandi M., Chisenga C.C., Chirwa M., Hamusonde K., Saroj R.K., Iqbal N.T., Ngaruye I., Bosomprah S.</p>	<p>African Centre of Excellence in Data Science, College of Business Studies Kigali, University of Rwanda, Gikondo—Street, KK 737, P.O. Box 4285, Kigali, Rwanda; Enteric Disease and Vaccines Research Unit, Centre for Infectious Disease Research in Zambia, P.O. Bo, x 34681, Lusaka, Zambia; Department of Community Medicine, Sikkim Manipal Institute of Medical Sciences (SIMMS) Sikkim Manipal University, Gangtok, 03592, India; Department of Paediatrics and Child Health, Biological and Biomedical Sciences, Aga Khan University Hospital, Karachi, 74800, Pakistan; College of Science of Technology, University of</p>	Children	<p>Multidisciplinary Digital Publishing Institute (MDPI)</p>	22279067

			Rwanda, KN 7 Ave, P.O. Box 4285, Kigali, Rwanda; Department of Biostatistics, School of Public Health, University of Ghana, P.O. Box LG13, Accra, Ghana			
18	Eco-friendly synthesis and characterizations of Ag/AgO/Ag ₂ O nanoparticles using leaf extracts of <i>Solanum elaeagnifolium</i> for antioxidant, anticancer, and DNA cleavage activities	Barwant M., Ugale Y., Ghotekar S., Basnet P., Nguyen V.-H., Pansambal S., Ananda Murthy H.C., Sillanpaa M., Bilal M., Oza R., Karande V.	Department of Chemistry, Sanjivani Arts, Commerce and Science College, Savitribai Phule Pune University, Maharashtra, Kopargaon, 423603, India; Department of Chemistry, Smt. Devkiba Mohansinhji Chauhan College of Commerce and Science, University of Mumbai, Dadra and Nagar Haveli (UT), Silvassa, 396230, India; Centre for Materials Science and Nanotechnology, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Gangtok, India; Faculty of Allied Health Sciences, Chettinad Academy of Research and Education (CARE), Tamilnadu, Kelambakkam, Chennai, 603 103, India; Department of Chemistry, Shri Saibaba College Shirdi, Savitribai Phule Pune University, Maharashtra, Shirdi, 423109, India; Department of Applied Chemistry, School of Applied Natural Sciences, Adama Science and Technology University, P.O. Box: 1888, Adama, Ethiopia; Department of Chemical Engineering, School of Mining, Metallurgy and Chemical Engineering, University of Johannesburg, P. O. Box	Chemical Papers	Springer Science and Business Media Deutschland GmbH	3666352

			17011, Doornfontein, 2028, South Africa; Chemistry Department, College of Science, King Saud University, Riyadh, 11451, Saudi Arabia; School of Life Science and Food Engineering, Huaiyin Institute of Technology, Huaian, 223003, China; Department of Chemistry, D.J.M. Commerce and B.N.S. Science College, Savitribai Phule Pune University, S.N. Arts, Maharashtra, Sangamner, 422605, India; Department of Botany, Yashavantrao Chavan Institute of Science, Maharashtra, Satara, 415001, India			
19	Application of MEREC in Multi-Criteria Selection of Optimal Spray-Painting Robot	Shanmugasundar G., Sapkota G., Čep R., Kalita K.	Department of Mechanical Engineering, Sri Sairam Institute of Technology, Chennai, 600 044, India; Department of Mechanical Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majhitar, 737 136, India; Department of Machining, Assembly and Engineering Metrology, Faculty of Mechanical Engineering, VSB-Technical University of Ostrava, Ostrava, 708 00, Czech Republic; Department of Mechanical Engineering, Vel Tech Rangarajan Dr. Sagunthala R&D Institute of Science and Technology, Avadi, 600 062, India	Processes	MDPI	22279717
20	Internalized and Perceived Stigma and	Pradhan A., Koirala P., Bhandari S.S., Dutta S., García-	Department of Psychiatry, Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University, Gangtok,	Frontiers in Psychiatry	Frontiers Media S.A.	16640640

	Depression in Pulmonary Tuberculosis: Do They Explain the Relationship Between Drug Sensitivity Status and Adherence?	Grau P., Sampath H., Sharma I.	India; Department of Respiratory Medicine, Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University, Gangtok, India; Programa de Maestro de Educación Infantil, Universidad Católica de Valencia, Valencia, Spain			
21	Acinetobacter baumannii: An overview of emerging multidrug-resistant pathogen	Gautam D., Dolma K.G., Khandelwal B., Mitsuwan W., Mahboob T., Pereira M.L., Nawaz M., Wiart C., Ardebili A., Siyadatpanah A., Ehtesham H., Patra J.K., Kwanhian W., Nissapatorn V.	School of Allied Health Sciences and Research Excellence Centre for Innovation and Health Products (RECIHP), Walailak University, Nakhon Si Thammarat, Thailand; Department of Microbiology, Sikkim Manipal Institute of Medical Sciences (SMIMS), Sikkim Manipal University, Sikkim, India; Department of Medicine, Sikkim Manipal Institute of Medical Sciences (SMIMS), Sikkim Manipal University, Sikkim, India; Department of Medical Microbiology, Faculty of Medicine, University of Malaya, Kuala Lumpur, Malaysia; Department of Medical Sciences and CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal; Department of Nano-Medicine Research, Institute for Research and Medical Consultations (IRMC), Imam Abdulrahman Bin Faisal University, Dammam, Saudi Arabia; School of Pharmacy, Nottingham	Medical Journal of Malaysia	Malaysian Medical Association	3005283

			University Malaysia Campus, Selangor, Malaysia; Laboratory Sciences Research Center, Golestan University of Medical Sciences, Gorgan, Iran; Ferdows School of Paramedical and Health, Birjand University of Medical Sciences, Birjand, Iran; Research Institute of Integrative Life Sciences, Dongguk University-Seoul, Goyang-Si, South Korea			
22	CFD Investigations of Cyclone Separators with Different Cone Heights and Shapes	Pandey S., Saha I., Prakash O., Mukherjee T., Iqbal J., Roy A.K., Wasilewski M., Brar L.S.	Mechanical Engineering Department, Birla Institute of Technology, Mesra, Ranchi, 835215, India; Chemical Engineering Department, University of Calcutta, Kolkata, 700073, India; Civil and Environmental Engineering Department, Birla Institute of Technology, Mesra, Ranchi, 835215, India; Mechanical Engineering Department, Sikkim Manipal University, Majitar, Rangpo, 737136, India; Faculty of Production Engineering and Logistics, Opole University of Technology, 76 Proszkowska St, Opole, 45-758, Poland	Applied Sciences (Switzerland)	MDPI	20763417
23	Intelligent Reflecting Surface Assisted Localization: Opportunities and Challenges	Sur S.N., Singh A.K., Kandar D., Silva A., Nguyen N.D.	Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, 737136, India; Department of Information Technology, North Eastern Hill University, Meghalaya, Shillong, 793022, India; Instituto de Telecomunicações (IT), Departamento de	Electronics (Switzerland)	MDPI	20799292

			Eletrónica, Telecomunicações e Informática (DETI), University of Aveiro, Aveiro, 3810-193, Portugal; Faculty of Mechanical-Electrical and Computer Engineering, School of Engineering and Technology, Van Lang University, 69/68 Dang Thuy Tram Street, Ward 13, Binh Thanh District, Ho Chi Minh City, 70000, Viet Nam			
24	Intrusion detection in cyber–physical environment using hybrid Naïve Bayes— Decision table and multi-objective evolutionary feature selection	Panigrahi R., Borah S., Pramanik M., Bhoi A.K., Barsocchi P., Nayak S.R., Alnumay W.	Department of Computer Applications, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, 737136, India; KIET Group of Institutions, Delhi-NCR, Ghaziabad, 201206, India; Directorate of Research, Sikkim Manipal University, Sikkim, Gangtok, 737102, India; AB-Tech eResearch (ABTeR), Burla 768018, Sambalpur, India; Institute of Information Science and Technologies, National Research Council, Pisa, 56124, Italy; Amity School of Engineering and Technology, Amity University Uttar Pradesh, Noida, India; Department of CS, King Saud University, Riyadh, Saudi Arabia	Computer Communications	Elsevier B.V.	1403664
25	Drug Delivery Strategies and Biomedical Significance of Hydrogels:	Raina N., Pahwa R., Bhattacharya J., Paul A.K., Nissapatorn V., Pereira M.L., Oliveira S.M.R., Dolma K.G.,	Department of Pharmaceutics, Delhi Pharmaceutical Sciences and Research University, New Delhi, 110017, India; Institute of Pharmaceutical Sciences, Kurukshetra University, Haryana, 136119, India; School of Biotechnology,	Pharmaceutics	MDPI	19994923

	Translational Considerations	Rahmatullah M., Wilairatana P., Gupta M.	Jawaharlal Nehru University, New Delhi, 110067, India; School of Pharmacy and Pharmacology, University of Tasmania, Hobart, 7001, Australia; School of Allied Health Sciences and World Union for Herbal Drug Discovery [WUHeDD], Walailak University, Nakhon Si Thammarat, 80160, Thailand; CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, 3810-193, Portugal; Department of Medical Sciences, University of Aveiro, Aveiro, 3810-193, Portugal; Hunter Medical Research Institute, New Lambton 2305, Australia; Department of Microbiology, Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University, Gangtok, 737102, India; Department of Biotechnology & Genetic Engineering, University of Development Alternative, Lalmatia, Dhaka, 1207, Bangladesh; Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University, Bangkok, 10400, Thailand			
26	Electrophoresis of soft particles with hydrophobic inner core grafted with pH-regulated and	Maurya S.K., Sarkar S., Mondal H.K., Ohshima H., Gopmandal P.P.	Department of Mathematics, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, Rangpo, East Sikkim, India; Physics and Applied Mathematics Unit, Indian Statistical Institute, West Bengal, Kolkata, India; Department of Electronics and	Electrophoresis	John Wiley and Sons Inc	1730835

	highly charged polyelectrolyte layer		Communication Engineering, National Institute of Technology Durgapur, West Bengal, Durgapur, India; Faculty of Pharmaceutical Sciences, Tokyo University of Science, Chiba, Noda, Japan; Department of Mathematics, National Institute of Technology Durgapur, West Bengal, Durgapur, India			
27	Effect of optimization framework on rigid and non-rigid multimodal image registration	Chakraborty S., Pradhan R., Dey N., Crespo R.G., Tavares J.M.R.S.	Department of Computer Applications, Sikkim Manipal Institute of Technology, Sikkim, 737136, India; Department of Computer Science and Engineering, JIS University, West Bengal, Kolkata, 700109, India; Universidad Internacional de La Rioja, Logroño, 26006, Spain; Instituto de Ciência e Inovação em Engenharia Mecânica e Engenharia Industrial, Departamento de Engenharia Mecânica, Faculdade de Engenharia, Universidade do Porto, Porto, 4200-465, Portugal	ScienceAsia	Science Society of Thailand under Royal Patronage	15131874
28	Phytochemical, anti-Acanthamoeba, and anti-adhesion properties of Garcinia mangostana flower as preventive	Sangkanu S., Mitsuwan W., Mahboob T., Mahabusarakam W., Chewchanwuttiwong S., Siphakdi P., Jimoh T.O., Wilairatana P., Dolma K.G., Pereira M.D.L., Rahmatullah M., Wiart C.,	School of Allied Health Sciences, Southeast Asia Water Team (SEA Water Team), World Union for Herbal Drug Discovery (WUHeDD), Research Excellence Center for Innovation and Health Products (RECIHP), Walailak University, Nakhon Si Thammarat, Thailand; Akkhraratchumari Veterinary College, Walailak University, Nakhon Si Thammarat, Thailand; Division of Physical Science, Faculty of Science,	Acta Tropica	Elsevier B.V.	0001706X

	contact lens solution	Norouzi R., Siyadatpanah A., Mutombo P.N., Nissapatorn V.	Graduate School, Prince of Songkla University, Songkhla, 90110, Thailand; Faculty of Science and Industrial Technology, Prince of Songkla University, Surat Thani Campus, Makhanta, Surat Thani, Muang, Thailand; Department of Pharmacognosy and Pharmaceutical Botany, Faculty of Pharmaceutical Sciences, Chulalongkorn University, Bangkok, Thailand; Department of Biochemistry, Faculty of Health Sciences, Islamic University in Uganda, P. O. Box 7689, Kampala, Uganda; Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University, Bangkok, Thailand; Department of Microbiology, Sikkim Manipal Institute of Medical Sciences Sikkim, India; Department of Medical Sciences, CICECO-Aveiro Institute of Materials, University of Aveiro, Aveiro, Portugal; Department of Biotechnology & Genetic Engineering, University of Development Alternative, Lalmatia, Dhaka, Bangladesh; Institute for Tropical Biology & Conservation, University Malaysia Sabah, Malaysia; Department of Pathobiology, Faculty of Veterinary Medicine, University of Tabriz, Tabriz, Iran; Ferdows School of Paramedical and Health, Birjand University of Medical Sciences, Birjand,			
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			Iran; National Centre for Naturopathic Medicine, Faculty of Health Sciences, Southern Cross University, Lismore, NSW, Australia			
29	Space Settlement Design in The Moon's Quasi Frozen Orbit	Shambhavi A.S., Johnson A., Surya Vaibhav D.V.R., Pramanik S., Urmisha Reddy J., Mohanty U.	Department of Aeronautical Engineering, Nitte Meenakshi Institute of Technology, P.B.No.6429. Yelahanka, Karnataka, Bangalore, 560064, India; Department of Civil Engineering, Mar Athanasius College of Engineering, College Junction Road, Kerala, Kothamangalam, 686666, India; Department of Mechanical Engineering, B.M.S. College of Engineering, P.O.Box.No.1908. Bull Temple Road, Karnataka, Bangalore, 560019, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Majitar, Sikkim, Rangpo, 737136, India; Department of Electrical and Electronics Engineering, Vidya Jyothi Institute of Technology, Aziz Nagar gate, CB Post, Telangana, Hyderabad, 500075, India; Department of Biorefinery, Bio Technology, University of Technology of Troyes, 12 Rue marie Curie, Troyes, 10300, France	Proceedings of the International Astronautical Congress, IAC	International Astronautical Federation, IAF	741795
30	Cognitive Internet of Things (IoT) and computational intelligence for	Thapa S., Ghimire A., Adhikari S., Bhoi A.K., Barsocchi P.	Department of Computer Science and Engineering, Delhi Technological University, Delhi, Rohini, India; Department of Computer Science and Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University,	Cognitive and Soft Computing Techniques for the Analysis of Healthcare Data	Elsevier	

	mental well-being		Sikkim, Majitar, India; Institute of Information Science and Technologies, National Research Council, Pisa, Italy			
31	Effects of EEG-sleep irregularities and its behavioral aspects: review and analysis	Satapathy S., Loganathan D., Bhoi A.K., Barsocchi P.	Department of Computer Science and Engineering, Pondicherry Engineering College, Puducherry, India; Department of Computer Science and Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, India; Institute of Information Science and Technologies, National Research Council, Pisa, Italy	Cognitive and Soft Computing Techniques for the Analysis of Healthcare Data	Elsevier	
32	Internet of medical things for enhanced smart healthcare systems	Awotunde J.B., Chakraborty C., AbdulRaheem M., Jimoh R.G., Oladipo I.D., Bhoi A.K.	Department of Computer Sciences, University of Ilorin, Kwara State, Ilorin, Nigeria; Department of Electronics and Communication Engineering, Birla Institute of Technology, Jharkhand, Mesra, India; KIET Group of Institutions, Delhi-NCR, Uttar Pradesh, Ghaziabad, India; Directorate of Research, Sikkim Manipal University, Sikkim, Gangtok, India	Implementation of Smart Healthcare Systems using AI, IoT, and Blockchain	Elsevier	
33	Security and privacy concerns in smart healthcare system	AbdulRaheem M., Awotunde J.B., Chakraborty C., Adeniyi E.A., Oladipo I.D., Bhoi A.K.	Department of Computer Sciences, University of Ilorin, Kwara State, Ilorin, Nigeria; Department of Electronics and Communication Engineering, Birla Institute of Technology, Jharkhand, Mesra, India; Department of Computer Sciences, Landmark University, Kwara State, Omu-Aran, Nigeria; KIET Group of Institutions, Delhi-NCR, Uttar Pradesh, Ghaziabad, India; Directorate of	Implementation of Smart Healthcare Systems using AI, IoT, and Blockchain	Elsevier	

			Research, Sikkim Manipal University, Sikkim, Gangtok, India			
34	An Enhanced DFFNN for Location-Based Services of Indoor Device-Free Submissive Localization	Awotunde J.B., Imoize A.L., Bhoi A.K., Jimoh R.G., Ojo S., Panigrahi R., Faruk N.	University of Ilorin, Faculty of Communication and Information Sciences, Department of Computer Science, Ilorin, Nigeria; University of Lagos, Department of Electrical and Electronics Engineering, Nigeria; Institute of Digital Communication, Ruhr University, Department of Electrical Engineering and Information Technology, Bochum, 44801, Germany; Sikkim Manipal University, Directorate of Research, Sikkim, Gangtok, 737102, India; AB-Tech EResearch (ABTeR), Sambalpur, Burla, 768018, India; Anderson University, Department of Electrical and Computer Engineering, Anderson, SC 29621, United States; Sikkim Manipal Institute of Technology, Department of Computer Applications, Sikkim Manipal University, Sikkim, Majitar, 737136, India; Sule Lamido University, Department of Physics, Nigeria; SLU, Directorate of ICT, Nigeria	Proceedings of the 5th International Conference on Information Technology for Education and Development: Changing the Narratives Through Building a Secure Society with Disruptive Technologies, ITED 2022	Institute of Electrical and Electronics Engineers Inc.	
35	Use of Deep Learning Application in Medical Devices	Marakala V., Sriramakrishnan G.V., Jakka G., Shingadiya C.J., Widiastuti H.P., Ortiz G.G.R.	College of Medicine, University of Bisha Kingdom of Saudi Arabia, Saudi Arabia; Sikkim Manipal Institute of Technology, Sikkim Manipal University, Computer Science and Engineering, India; Information Technology University of	4th International Conference on Inventive Research in Computing Applications,	Institute of Electrical and Electronics Engineers Inc.	

			the Cumberlands, United States; Computer Engineering R K University, India; Poltekkes Kemenkes Kaltim, Indonesia; Catholic University of Cuenca, Laboratory of Basic Psychology, Behavioral Analysis and Programmatic Development PAD-LAB., Ecuador, Ecuador	ICIRCA 2022 - Proceedings		
36	Cloud Computing for Suitable Data Management and Security within Organisations	Bhattacharyya L., Purohit S.G., Fatmawati E., Sunil D.M., Toktakynovna Z., Sriramakrishnan G.V.	Singhania University, Science Information Security Domain, India; University Vtu, Computer Science & Engineering, Karnataka, Belagavi, India; Universitas Diponegoro, Indonesia; Reva University, Ece, India; Kobenkulova International Education Corporation, Almaty, Kazakhstan; Sikkim Manipal Institute of Technology, Sikkim Manipal University, Computer Science and Engineering, India	4th International Conference on Inventive Research in Computing Applications, ICIRCA 2022 - Proceedings	Institute of Electrical and Electronics Engineers Inc.	
37	Investigation into Linear Micropattern Generation using Electrochemical Micromachining	Kunar S., Das P.P., Tiwarly A.P., Itha V., Talib N., Sree S.R., Reddy M.S.	Department of Mechanical Engineering, Aditya Engineering College, Surampalem, India; Jawaharlal Nehru Technological University Kakinada, Kakinada, East Godavari, India; Department of Mechanical Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, India; Department of Manufacturing Engineering, Faculty of Mechanical and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia, Johor, Batu Pahat, Malaysia; Department. of	Journal of Engineering Science and Technology Review	International Hellenic University - School of Science	17919320

			Computer Science & Engineering, Aditya Engineering College, Surampalem, India			
38	Cloud Computing for Suitable Data Management and Security within Organisations	Bhattacharyya L., Purohit S.G., Fatmawati E., Sunil D.M., Toktakynovna Z., Sriramakrishnan G.V.	Singhania University, Science Information Security Domain, India; University Vtu, Computer Science & Engineering, Karnataka, Belagavi, India; Universitas Diponegoro, Indonesia; Reva University, India; Kobenkulova International Education Corporation, Almaty, Kazakhstan; Sikkim Manipal University, Computer Science and Engineering, Sikkim Manipal Institute of Technology, India	3rd International Conference on Smart Electronics and Communication, ICOSEC 2022 - Proceedings	Institute of Electrical and Electronics Engineers Inc.	
39	Curcumin effect on Acanthamoeba triangularis encystation under nutrient starvation	Boonhok R., Sangkanu S., Phumjan S., Jongboonjua R., Sangnopparat N., Kwankaew P., Tedasen A., Lim C.L., de Lourdes Pereira M., Rahmatullah M., Wilairatana P., Wiart C., Dolma K.G., Paul A.K., Gupta M., Nissapatorn V.	Department of Medical Technology, School of Allied Health Sciences, and Research Excellence Center for Innovation and Health Products (RECIHP), Walailak University, Thai Buri, Nakhon Si Thammarat, Thailand; School of Allied Health Sciences, Southeast Asia Water Team (SEA Water Team) and World Union for Herbal Drug Discovery (WUHeDD), and Research Excellence Center for Innovation and Health Products (RECIHP), Walailak University, Thai Buri, Nakhon Si Thammarat, Thailand; Division of Applied Biomedical Science and Biotechnology, School of Health Sciences, International Medical University, Kuala Lumpur, Malaysia; CICECO-Aveiro Institute of Materials	PeerJ Computer Science	PeerJ Inc.	23765992

			and Department of Medical Sciences, University of Aveiro, Aveiro, Portugal; Department of Biotechnology and Genetic Engineering, University of Development Alternative, Dhaka, Bangladesh; Department of Clinical Tropical Medicine, Faculty of Tropical Medicine, Mahidol University, Rachathewee, Bangkok, Thailand; The Institute for Tropical Biology and Conservation, Universiti Malaysia Sabah, Sabah, Kota Kinabalu, Malaysia; Department of Microbiology, Sikkim Manipal Institute of Medical Sciences, Sikkim, India; School of Pharmacy and Pharmacology, University of Tasmania, Hobart, TAS, Australia; Department of Pharmaceutics, Delhi Pharmaceutical Sciences and Research University, New Delhi, India			
40	Current scenarios, obstacles, possibilities, and innovations for sustainable municipal solid waste management following COVID-19 pandemic in	Shah K.B., Visalakshi S., Avinash Khatri K.C., Panigrahi R.	Pokhara University, Nepal Engineering College, Department of Computer Science & Engineering, Changunarayan, Bhaktapur, Nepal; Sikkim Manipal Institute Technology, Sikkim Manipal University, Department of Computer Application, Majitar, Sikkim, India; University of East London, Docklands Campus, London, United Kingdom	2022 2nd International Conference on Computer Science, Engineering and Applications, ICCSEA 2022	Institute of Electrical and Electronics Engineers Inc.	

	Kathmandu valley, Nepal					
41	A Feature and Parameter Selection Approach for Visual Domain Adaptation using Particle Swarm Optimization	Karn R.R.P., Sanodiya R.K., Sharma T., Sharan S., Garg K., Mathew J., Yao L.	Indian Institute of Information Technology Sri City, Department of Cse, Chittoor, India; Sikkim Manipal Institute of Technology, Sikkim, Majitar, 737136, India; Banasthali Vidyapith, Rajasthan, Tonk, Newai, 304022, India; Indian Institute of Technology, Department of Cse, Bihar, Patna, India; National Taipei University of Technology, Taipei, 10608, Taiwan	2022 IEEE Congress on Evolutionary Computation, CEC 2022 - Conference Proceedings	Institute of Electrical and Electronics Engineers Inc.	
42	Physical layer architecture of 5G enabled IoT/IoMT system	Le A.-T., Munochiveyi M., Sur S.N.	Industrial University of Ho Chi Minh City, Ho Chi Minh City, Viet Nam; Department of Electrical and Electronics Engineering, University of Zimbabwe, Harare, Zimbabwe; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, Sikkim, Rangpo, India	5G IoT and Edge Computing for Smart Healthcare	Elsevier	
43	5G IoT and Edge Computing for Smart Healthcare	Bhoi A.K., de Albuquerque V.H.C., Sur S.N., Barsocchi P.	KIET Group of Institutions, Delhi-NCR, Ghaziabad, India; Federal University of Cear, Graduate Program on Teleinformatics Engineering, Fortaleza/CE, Brazil; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, Sikkim, Rangpo, India; Institute of Information Science and Technologies, National Research Council, Pisa, Italy	5G IoT and Edge Computing for Smart Healthcare	Elsevier	

44	Cognitive and Soft Computing Techniques for the Analysis of Healthcare Data	Bhoi A.K., de Albuquerque V.H.C., Srinivasu P.N., Marques G.	Department of Computer Science and Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, India; Department of Teleinformatics Engineering, Federal University of Cear, Fortaleza/CE, Brazil; Department of Computer Science and Engineering, GIT, GITAM (Deemed to be University), Andhra Pradesh, Visakhapatnam, India; Polytechnic of Coimbra, ESTGOH, Rua General Santos Costa, Oliveira do Hospital, Portugal; University of Maia - ISMAI, Av. Carlos de Oliveira Campos, Maia, Portugal	Cognitive and Soft Computing Techniques for the Analysis of Healthcare Data	Elsevier	
45	An Intelligent Fusion Model with Portfolio Selection and Machine Learning for Stock Market Prediction	Padhi D.K., Padhy N., Bhoi A.K., Shafi J., Yesuf S.H.	School of Engineering and Technology, Department of Computer Science and Engineering, Giet University, Gunupur, India; Kiet Group of Institutions, Delhi NCR, Ghaziabad, 201206, India; Directorate of Research, Sikkim Manipal University, Gangtok, Sikkim, 737102, India; AB-Tech EResearch (ABTeR), Sambalpur, Burla, 768018, India; Department of Computer Science, College of Arts and Science, Prince Sattam Bin Abdulaziz University, Wadi Ad-Dawasir 11991, Saudi Arabia; Department of Computer Science, College of Informatics, University of Gondar, Maraki 196, Gondar, Ethiopia	Computational Intelligence and Neuroscience	Hindawi Limited	16875265

46	Preface	Mallick P.K., Bhoi A.K., González-Briones A., Pattnaik P.K.	School of Computer Engineering, Kalinga Institute of Industrial Technology(KIIT) Deemed to be University, Odisha, Bhubaneswar, India; KIET Group of Institutions Delhi-NCR Ghaziabad, India Directorate of Research Sikkim Manipal University, Sikkim, Gangtok, India; Research on Agent based, Social and Interdisciplinary Applications (GRASIA), Complutense University of Madrid, Madrid, Spain	Lecture Notes in Electrical Engineering	Springer Science and Business Media Deutschland GmbH	18761100
47	Preface	Mishra S., González-Briones A., Bhoi A.K., Mallick P.K., Corchado J.M.	School of Computer Engineering, Kalinga Institute of Industrial Technology, Odisha, Bhubaneswar, India; Grupo de Investigación BISITE Departamento de Informática y Automática, Facultad de Ciencias University of Salamanca, Instituto de Investigación Biomédica de Salamanca, Salamanca, Spain; KIET Group of Institutions Ghaziabad, Delhi-NCR, India Directorate of Research Sikkim Manipal University, Sikkim, Gangtok, India; IoT Digital Innovation Hub (Spain), Air Institute, Salamanca, Spain; Osaka Institute of Technology, Osaka, Japan; Universiti Malaysia Kelantan, Kelantan, Kota Bharu, Malaysia	Studies in Computational Intelligence	Springer Science and Business Media Deutschland GmbH	1860949X
48	A fuzzy membership based comparison of	Hazarika R.A., Maji A.K., Sur S.N., Olariu I., Kandar D.	Department of Information Technology, North Eastern Hill University Shillong, Meghalaya, India; Department of Electronics and Communication	Journal of Intelligent and Fuzzy Systems	IOS Press BV	10641246

	the grey matter (GM) in cognitively normal (CN), mild cognitive impairment (MCI), and Alzheimer's disease (AD) using brain images		Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Rangpo, East Sikkim, Majitar, India; Faculty of Medicine, Vasile Goldis Western University of Arad, Arad, Romania			
49	Automatic fall detection using Orbbec Astra 3D pro depth images	Biswas A., Dey B., Poudyel B., Sarkar N., Olariu T.	Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, India; Vasile Goldis Western University of Arad, Arad, Romania	Journal of Intelligent and Fuzzy Systems	IOS Press BV	10641246
50	Applications of Artificial Intelligence in Software Testing	Borah S., Aliliele K.C., Rakshit S., Vajjhala N.R.	Sikkim Manipal Institute of Technology, Majhitar, India; American University of Nigeria, Yola, Nigeria; University of New York Tirana, Tirana, Albania	Lecture Notes in Networks and Systems	Springer Science and Business Media Deutschland GmbH	23673370
51	Applications of Artificial Intelligence in Small- and Medium-Sized Enterprises (SMEs)	Borah S., Kama C., Rakshit S., Vajjhala N.R.	Sikkim Manipal Institute of Technology, Majhitar, India; American University of Nigeria, Yola, Nigeria; University of New York Tirana, Tirana, Albania	Lecture Notes in Networks and Systems	Springer Science and Business Media Deutschland GmbH	23673370

52	Managing migration in modern welfare states: One-size policy does not fit all	Bevelander P., Hollifield J.F.	Department of Global Political Studies, Sweden; Malmö Institute of Studies of Migration, Diversity and Welfare, Malmö University, Sweden; Tower Center, SMU, India; Wilson Center, United States	Handbook on Migration and Welfare	Edward Elgar Publishing Ltd.	
53	Nonlinear and supernonlinear ion-acoustic wave phenomena in an electron-positron-pair-ion quantum plasma	Pradhan B., Abdikian A., Saha A.	Department of Mathematics, Sikkim Manipal Institute of Technology, Sikkim Manipal University, East-Sikkim, Rangpo, India; Department of Physics, Malayer University, Malayer, Iran	Waves in Random and Complex Media	Taylor and Francis Ltd.	17455030
54	Hyperspectral Image Classification: Potentials, Challenges, and Future Directions	Datta D., Mallick P.K., Bhoi A.K., Ijaz M.F., Shafi J., Choi J.	School of Computer Engineering, Kalinga Institute of Industrial Technology, Deemed to Be University, Bhubaneswar, 751024, India; KIET Group of Institutions, Delhi-NCR, Ghaziabad, 201206, India; Directorate of Research, Sikkim Manipal University, Sikkim, Gangtok, 737102, India; AB-Tech EResearch (ABTeR), Burla, Sambalpur, 768018, India; Department of Intelligent Mechatronics Engineering, Sejong University, Seoul, 05006, South Korea; Department of Computer Science, College of Arts and Science, Prince Sattam Bin Abdul Aziz University, Wadi Ad-Dawasir11991, Saudi Arabia; School of Computing, Gachon University, Seongnam-si, 13120, South Korea	Computational Intelligence and Neuroscience	Hindawi Limited	16875265

55	An Approach to Discover Similar Musical Patterns	Chakrabarty S., Islam R., Pricop E., Sarma H.K.D.	Sikkim Manipal Institute of Technology, Department of Information Technology, Rangpo, Sikkim, 737136, India; Cloud Shine Global LLP, Assam, Guwahati, 781028, India; Petroleum-Gas University of Ploiesti, Department of Control Engineering, Computers and Electronics, Ploiesti, 100680, Romania; SRM University Andhra Pradesh (SRM AP), Department of Computer Science and Engineering, Amaravati, 522502, India	IEEE Access	Institute of Electrical and Electronics Engineers Inc.	21693536
56	Selection of electric vehicle using integrated Fuzzy-MCDM approach with analysis on challenges faced in hilly terrain	Pradhan P., Shabbiruddin, Pradhan S.	Department of Electrical and Electronics Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, India; Department of Electrical Engineering, Government Engineering College, Banka, , Department of Science and Technology, Aryabhatta Knowledge University, Bihar, India; Vendor Management, COTIVITI, Kathmandu, Nepal	Energy Sources, Part A: Recovery, Utilization and Environmental Effects	Taylor and Francis Ltd.	15567036
57	Application of Artificial Intelligence and Big Data for Fighting COVID-19 Pandemic	Awotunde J.B., Oluwabukonla S., Chakraborty C., Bhoi A.K., Ajamu G.J.	Department of Computer Science, University of Ilorin, Ilorin, Nigeria; Department of Mathematical Sciences, Olabisi Onabanjo University, Ago-Iwoye, Nigeria; Department of Computer Science and Engineering, Birla Institute of Technology, Jharkhand, Mesra, India; Department of Electrical and Electronics Engineering, Sikkim Manipal Institute of Technology (SMIT), Sikkim Manipal University (SMU), Sikkim, Majitar,	International Series in Operations Research and Management Science	Springer	8848289

			India; Department Agricultural Extension and Rural Development, Landmark University, Omu-Aran, Nigeria			
58	Preface	Borah S., Mishra S.K., Mishra B.K., Balas V.E., Polkowski Z.	Sikkim Manipal University Majhitar, Sikkim, Rangpo, India; GIET University, Odisha, Gunupur, India; Jan Wyzykowski University, Polkowice, Poland; Gandhi Institute for Education and Technology, Odisha, Bhubaneswar, India; Department of Automatics and Applied Software, Aurel Vlaicu University, Arad, Romania	Lecture Notes on Data Engineering and Communications Technologies	Springer Science and Business Media Deutschland GmbH	23674512
59	Symmetrical Performance Assessment of Large-Scaled Data Using Meta-heuristic Approach	Mishra J.P., Polkowski Z., Mishra S.K., Borah S.	Gandhi Institute for Education and Technology, Affiliated to Biju Patnaik University of Technology, Rourkela, Baniatangi, Bhubaneswar, India; Wroclaw University of Economics and Business, Wroclaw, Poland; Sikkim Manipal Institute of Technology, East Sikkim, Majitar, India	Lecture Notes on Data Engineering and Communications Technologies	Springer Science and Business Media Deutschland GmbH	23674512
60	SAR Image Classification: A Comprehensive Study and Analysis	Passah A., Sur S.N., Paul B., Kandar D.	Department of Information Technology, North-Eastern Hill University, Meghalaya, Shillong, India; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Rangpo, India; Institute for Intelligent Systems, University of Johannesburg, Johannesburg, South Africa	IEEE Access	Institute of Electrical and Electronics Engineers Inc.	21693536

61	Bandstop Filter Decoupling Technique for Miniaturized Reconfigurable MIMO Antenna	Islam H., Das S., Ali T., Bose T., Kumari S., Prakash O., Kumar P.	Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, India; Department of Electronics and Communication, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, India; Department of Electronics Engineering, University Polytechnic, Birla Institute of Technology, Jharkhand, India; ECE Department, Sri Venkateswara College of Engineering and Technology, Andhra Pradesh, India; Discipline of Electrical, Electronic and Computer Engineering, University of KwaZulu-Natal, Durban, South Africa	IEEE Access	Institute of Electrical and Electronics Engineers Inc.	21693536
62	Association of Smoking with the Blood Concentration of 25-Hydroxy Vitamin D and Testosterone at High and Low Altitudes	Zaman G.S., Al-Saleem Alshahrani S.A.S., Laskar N.B., Hadadi I., Alelyani M., Adam M., Babiker M., Musa M.J., Barua P., Mohammed M.E.A.	Department of Clinical Laboratory Sciences, College of Applied Medical Sciences, King Khalid University, Abha, Saudi Arabia; Family & Community Department, College of Medicine, King Khalid University, Abha, Saudi Arabia; Department of Community Medicine, Sikkim Manipal Institute of Medical Sciences, Sikkim, India; Department of Radiological Sciences, College of Applied Medical Sciences, King Khalid University, Abha, Saudi Arabia;	International Journal of General Medicine	Dove Medical Press Ltd	11787074

			Department of Clinical Biochemistry, College of Medicine, King Khalid University, Abha, Saudi Arabia; Department of Radiology, College of Applied Medical Sciences, Jeddah University, Jeddah, Saudi Arabia; Department of Statistics, J.B. College, Assam, Jorhat, India; Department of Chemistry, Faculty of Science, King Khalid University, Abha, Saudi Arabia			
63	Degenerative physiochemical events in the pathological intervertebral disc	Lama P., Tewari J., Adams M.A., Maitre C.L.	Sikkim Manipal Institute of Medical Sciences, Sikkim Manipal University, India; Centre for Clinical Anatomy, University of Bristol, United Kingdom; Biomolecular Science Research Centre, Sheffield Hallam University, United Kingdom	Histology and Histopathology	Histology and Histopathology	2133911
64	Fuzzy-Based Investigation of Challenges for the Deployment of Renewable Energy Power Generation	Shabbiruddin, Kanwar N., Jadoun V.K., Alotaibi M.A., Malik H., Nassar M.E.	Department of Electrical and Electronics Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Gangtok, 737136, India; Department of Electrical Engineering, Manipal University Jaipur, Jaipur, 303007, India; Department of Electrical & Electronics Engineering, Manipal Institute of Technology, Manipal Academy of Higher Education, Manipal, 576104, India; Department of Electrical Engineering, College of Engineering, King Saud University, Riyadh, 11421, Saudi Arabia; BEARS, NUS Campus, University Town, Singapore, 138602, Singapore;	Energies	MDPI	19961073

			Department of Electrical and Computer Engineering, University of Waterloo, Waterloo, ON N2L 3G1, Canada			
65	A Framework for the Actualization of Green Cloud-Based Design for Smart Cities	Abiodun M.K., Adeniyi E.A., Awotunde J.B., Bhoi A.K., AbdulRaheem M., Oladipo I.D.	Department of Computer Science, Landmark University, Omu-Aran, Nigeria; Department of Computer Science, University of Ilorin, Ilorin, Nigeria; Department of Computer Science and Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, India	EAI/Springer Innovations in Communication and Computing	Springer Science and Business Media Deutschland GmbH	25228595
66	Design of Multiple Access Network by Enabling User Grouping and Energy Harvesting in Relaying System for Smart Cities	Nguyen M.-S.V., Sur S.N., Do D.-T.	Faculty of Electronics Technology, Industrial University of Ho Chi Minh City (IUH), Ho Chi Minh City, Viet Nam; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, Sikkim, India; Department of Computer Science and Information Engineering, Asia University, Taichung, Taiwan	EAI/Springer Innovations in Communication and Computing	Springer Science and Business Media Deutschland GmbH	25228595
67	Machine Learning and Deep Learning Algorithms for Smart Cities: A Start-of-the-Art Review	Oladipo I.D., AbdulRaheem M., Awotunde J.B., Bhoi A.K., Adeniyi E.A., Abiodun M.K.	Department of Computer Science, University of Ilorin, Ilorin, Nigeria; Department of Computer Science and Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, India; Department of Computer Science, Landmark University, Omu-Aran, Nigeria	EAI/Springer Innovations in Communication and Computing	Springer Science and Business Media Deutschland GmbH	25228595

68	A Comprehensive Review on Physical Layer Design for Smart Cities	Nguyen M.-S.V., Sur S.N., Do D.-T.	Faculty of Electronics Technology, Industrial University of Ho Chi Minh City (IUH), Ho Chi Minh City, Viet Nam; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, Sikkim, India; Department of Computer Science and Information Engineering, Asia University, Taichung, Taiwan	EAI/Springer Innovations in Communication and Computing	Springer Science and Business Media Deutschland GmbH	25228595
69	Preface	Sur S.N., Balas V.E., Bhoi A.K., Nayyar A.	Department of Electronics and Communication Engineering, Sikkim Manipal Institute of, Technology Sikkim Manipal University, Sikkim, Majitar, India; Department of Computer Science and Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Sikkim, Majitar, India; Department of Automatics and Applied Software, Faculty of Engineering, Aurel Vlaicu University of Arad, Arad, Romania; Faculty of Information Technology, Duy Tan University, Da Nang, Viet Nam	EAI/Springer Innovations in Communication and Computing	Springer Science and Business Media Deutschland GmbH	25228595
70	Design of a Virtual Cybersecurity Lab	Dutta N., Jadav N., Tanwar S., Sarma H.K.D., Pricop E.	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Information Technology, Sikkim Manipal Institute of	Studies in Computational Intelligence	Springer Science and Business Media Deutschland GmbH	1860949X

			Technology, Majitar, Sikkim, India; Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiesti, Ploiești, Romania			
71	Being Hidden and Anonymous	Dutta N., Jadav N., Tanwar S., Sarma H.K.D., Pricop E.	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Majitar, Sikkim, India; Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiesti, Ploiești, Romania	Studies in Computational Intelligence	Springer Science and Business Media Deutschland GmbH	1860949X
72	Intrusion Detection Systems Fundamentals	Dutta N., Jadav N., Tanwar S., Sarma H.K.D., Pricop E.	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Majitar, Sikkim, India; Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiesti, Ploiești, Romania	Studies in Computational Intelligence	Springer Science and Business Media Deutschland GmbH	1860949X

73	TOR—The Onion Router	Dutta N., Jadav N., Tanwar S., Sarma H.K.D., Pricop E.	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Majitar, Sikkim, India; Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiesti, Ploiești, Romania	Studies in Computational Intelligence	Springer Science and Business Media Deutschland GmbH	1860949X
74	Introduction to Malware Analysis	Dutta N., Jadav N., Tanwar S., Sarma H.K.D., Pricop E.	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Majitar, Sikkim, India; Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiesti, Ploiești, Romania	Studies in Computational Intelligence	Springer Science and Business Media Deutschland GmbH	1860949X
75	DarkNet and Hidden Services	Dutta N., Jadav N., Tanwar S., Sarma H.K.D., Pricop E.	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Science and Engineering, Institute of Technology,	Studies in Computational Intelligence	Springer Science and Business Media Deutschland GmbH	1860949X

			Nirma University, Ahmedabad, Gujarat, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Majitar, Sikkim, India; Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiesti, Ploiești, Romania			
76	Introduction to Cybersecurity	Dutta N., Jadav N., Tanwar S., Sarma H.K.D., Pricop E.	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Majitar, Sikkim, India; Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiesti, Ploiești, Romania	Studies in Computational Intelligence	Springer Science and Business Media Deutschland GmbH	1860949X
77	Importance of Cyberlaw	Dutta N., Jadav N., Tanwar S., Sarma H.K.D., Pricop E.	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Majitar, Sikkim, India; Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiesti, Ploiești, Romania	Studies in Computational Intelligence	Springer Science and Business Media Deutschland GmbH	1860949X

78	Introduction to Digital Forensics	Dutta N., Jadav N., Tanwar S., Sarma H.K.D., Pricop E.	Department of Computer Science and Engineering, SRM University, Mangalagiri, Andhra Pradesh, India; Department of Computer Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Computer Science and Engineering, Institute of Technology, Nirma University, Ahmedabad, Gujarat, India; Department of Information Technology, Sikkim Manipal Institute of Technology, Majitar, Sikkim, India; Automatic Control, Computers and Electronics Department, Petroleum-Gas University of Ploiesti, Ploiești, Romania	Studies in Computational Intelligence	Springer Science and Business Media Deutschland GmbH	1860949X
79	Reconfigurable Intelligent Surface (RIS)-Assisted Wireless Systems: Potentials for 6G and a Case Study	Le C.-B., Do D.-T., Sur S.N.	Faculty of Electronics Technology, Industrial University of Ho Chi Minh City, Ho Chi Minh City, Viet Nam; Department of Computer Science and Information Engineering, College of Information and Electrical Engineering, Asia University, Taichung city, Taiwan; Department of Electronics and Communication Engineering, Sikkim Manipal Institute of Technology, Sikkim Manipal University, Majitar, Sikkim, 737136, India	Lecture Notes in Electrical Engineering	Springer Science and Business Media Deutschland GmbH	18761100
80	Preface	Dhar S., Mukhopadhyay S.C., Sur S.N., Liu C.-M.	Department of Electronics and Communication Engineering Sikkim, Manipal Institute of Technology, Rangpo, Sikkim, India; Electronics and Communications Engineering	Lecture Notes in Electrical Engineering	Springer Science and Business Media Deutschland GmbH	18761100

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Funding for Project by International Organisation21-22:

Sl No	Project Details	Organisation	Faculty Name	Amount in Lakhs
1	FOLLOW-UP OF THE PARTICIPANTS OF IARC'	World Health Organization	Dr.Yogesh Verma	21,92,622.00
2	INTERNATIONAL AGENCY: RESEARCH CANCER	World Helath Organization	Dr.Yogesh verma	7,96,609.75