

**Publications of research articles/ Patents/Book Chapter/Consultancy by  
faculty members for the duration Jan 01- Jan 31 -2023**

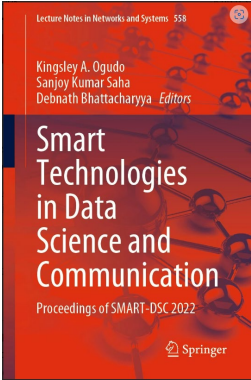
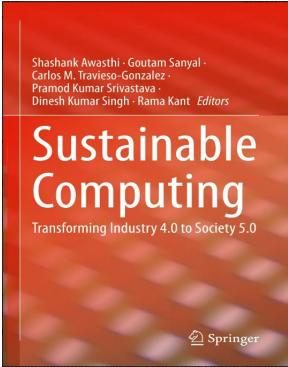
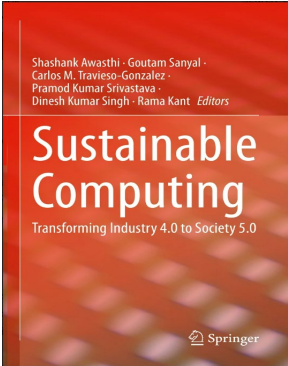
Sl.No	Details	Status
1.	<p><b>Title:</b> Microbial fuel cell: A green eco-friendly agent for tannery wastewater treatment and simultaneous bioelectricity/power generation</p> <p><b>Authors :</b> Dr. Sikandar Mulla</p> <p><b>Name of the journal:</b> Chemosphere, 2023, 312, 137072</p> <p><b>School:</b> Allied Health Sciences-Biochemistry</p>	 
2.	<p><b>Title:</b> Triple diffusive Marangoni convection in a fluid-porous structure: Effects of a vertical magnetic field and temperature profiles, SDG4</p> <p><b>Authors:</b> Yellamma, Manjunatha N, Amal A, Umair Khan, Sumithra R, Harjot Singh, Samia Elattar, Sayed M E</p> <p><b>Name of the journal:</b> Case studies in Thermal Engineering</p> <p><b>School:</b> Applied Sciences- Mathematics</p>	 
3.	<p><b>Title:</b> High-Throughput Strategies for the Design, Discovery, and Analysis of Bismuth-Based Photocatalysts</p> <p><b>Authors:</b> Surya V. Prabhakar Vattikuti, Jie Zeng, Rajavaram Ramaraghavulu, Jaesool Shim, Alain Mauger, Cristian M. Julien</p> <p><b>Name of the journal:</b> International Journal of Molecular Sciences</p> <p><b>School:</b> Applied Sciences- Physics</p>	 
4.	<p><b>Title:</b> Thermo-diffusion impact on immiscible flow characteristics of convectively heated vertical two-layered Baffle saturated porous channels in a suspension of nanoparticles: an analytical study, SDG4</p> <p><b>Authors:</b> P. V. Ananth subray, B. N. Hanumagowda, S. V.</p>	

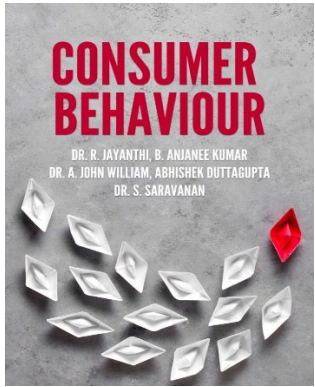
	<p>K. Varma, C. S. K. Raju, I. Khan &amp; P. Rana</p> <p><b>Name of the journal:</b> Applied Mathematics and Mechanics</p> <p><b>School:</b> Applied Sciences- Mathematics</p>	<p>Applied Mathematics and Mechanics (English Edition)</p> <p>Q2 Applied Mathematics best quartile</p> <p>SJR 2021 0.65</p> <p>powered by scimagojr.com</p>
5.	<p><b>Title:</b> Augmented Intelligence enabled Deep Neural Networking (AuDNN) framework for skin cancer classification and prediction using multi-dimensional datasets on industrial IoT standards SDG:4,9</p> <p><b>Authors:</b> Syed Thouheed Ahmed</p> <p><b>Name of the journal:</b> Microprocessors and Microsystems, Elsevier</p> <p><b>School:</b> CIT</p>	<p>Microprocessors and Microsystems</p> <p>Q2 Computer Networks and Communications best quartile</p> <p>SJR 2021 0.54</p> <p>powered by scimagojr.com</p>
6.	<p><b>Title:</b> Real time multi view image based FPC plant management with SS data security and low rate attack detection for efficient smart agriculture in WSN</p> <p><b>Authors:</b> Balamurugan Perumal, Arulkumaran Ganeshan, Santhosh Jayagopalan</p> <p><b>Name of the journal:</b> Journal of Intelligent &amp; Fuzzy Systems</p> <p><b>School:</b> CIT</p>	<p>Journal of Intelligent and Fuzzy Systems</p> <p>Q2 Engineering (miscellaneous) best quartile</p> <p>SJR 2021 0.39</p> <p>powered by scimagojr.com</p>
7.	<p><b>Title:</b> Digital image forgery: taxonomy, techniques, and tools – a comprehensive study SDG-3</p> <p><b>Authors:</b> B. Chaitra &amp; P.V. Bhaskar Reddy</p> <p><b>Name of the journal:</b> International Journal of System Assurance Engineering and Management</p> <p><b>School:</b> CSE</p>	<p>International Journal of Systems Assurance...</p> <p>Q2 Safety, Risk, Reliability and Quality best quartile</p> <p>SJR 2021 0.43</p> <p>powered by scimagojr.com</p>
8.	<p><b>Title:</b> Blood vessel detection using enhanced DeepJoint fuzzy clustering algorithm with deep Maxout network for glaucoma detection SDG- 3,15</p> <p><b>Authors:</b> Ramasamy Rajeswari, Manickam Prabhakar, Govindhan Padmapriya, Balan Santhosh Kumar</p> <p><b>Name of the journal:</b> Concurrency and Computation: Practice and Experience Early View</p> <p><b>School:</b> CSE</p>	<p>Concurrency Computation Practice and Experience</p> <p>Q2 Computer Networks and Communications best quartile</p> <p>SJR 2021 0.52</p> <p>powered by scimagojr.com</p>

9.	<p><b>Title:</b> BCDU-Net and chronological-AVO based ensemble learning for lung nodule segmentation and classification CDG-3,15</p> <p><b>Authors:</b> UN, Ranjitha, and Gowtham MA</p> <p><b>Name of the journal:</b> Computer Methods in Biomechanics and Biomedical Engineering: Imaging &amp; Visualization</p> <p><b>School:</b> CSE</p>	<p>Q2 Computational Mechanics best quartile</p> <p>SJR 2021 0.52</p> <p>powered by scimagojr.com</p>
10.	<p><b>Title:</b> Effect of plan irregularity on the performance of steel buildings subjected to blast-induced vibrations.</p> <p><b>Authors:</b> Rohan G. Raikar · Muhammed Zain Kangda</p> <p><b>Name of the journal:</b> Innovative Infrastructure Solutions</p> <p><b>School:</b> Civil Engineering</p>	<p>Q2 Building and Construction best quartile</p> <p>SJR 2021 0.51</p> <p>powered by scimagojr.com</p>
11.	<p><b>Title:</b> Improving the reliability of RPL using hybrid deep learning and objective function-based DODAG structure for AMI</p> <p><b>Authors:</b> M. M. Savita ., Basarkod P.I.</p> <p><b>Name of the journal:</b> Mathematical Modelling of Engineering Problems</p> <p><b>School:</b> Electronics and Communication Engineering</p>	<p>Q2 Electrical and Electronic Engineering best quartile</p> <p>SJR 2021 0.41</p> <p>powered by scimagojr.com</p>
12.	<p><b>Title:</b> Power Quality Disturbance Detection and Monitoring of Solar Integrated Micro-Grid SDG-7</p> <p><b>Authors:</b> Debasish Pattanaik , Sarat Chandra Swain , Indu Sekhar Samanta , Ritesh Dash , Kunjabihari Swain</p> <p><b>Name of the journal:</b> WSEAS Transactions on Power Systems</p> <p><b>School:</b> EEE</p>	<p>Q2 Cultural Studies best quartile</p> <p>SJR 2021 0.19</p> <p>powered by scimagojr.com</p>
13.	<p><b>Title:</b> An efficient management education in developing women entrepreneurial aspirations.</p> <p><b>Authors:</b> Bharti Ayer, Dara Vijaya Lakshmi, Anita Mathew, M. Saradha Sujayalakshmi Devarayasamudram, R. Karthik</p> <p><b>Name of the journal:</b> International Journal of System Assurance Engineering and Management</p> <p><b>School:</b> Management Studies</p>	<p>Q2 Safety, Risk, Reliability and Quality best quartile</p> <p>SJR 2021 0.43</p> <p>powered by scimagojr.com</p>

14.	<p><b>Title:</b> Microwave synthesis: CuCo<sub>2</sub>O<sub>4</sub>/CuO as efficient electrocatalysts for the oxygen evolution reaction</p> <p><b>Authors:</b> P.C. Nagajyothi, R. Ramaraghavulu, Jaesool Shim</p> <p><b>Name of the journal:</b> Materials Letters</p> <p><b>School:</b> Applied Sciences- Physics</p>	
15.	<p><b>Title:</b> Catalytic reduction of methylene blue and rhodamine B using Ce-MOF-derived CeO<sub>2</sub> catalyst</p> <p><b>Authors:</b> P.C. Nagajyothi, R. Ramaraghavulu, K. Pavani, Jaesool Shim</p> <p><b>Name of the journal:</b> Materials Letters</p> <p><b>School:</b> Applied Sciences- Physics</p>	
16.	<p><b>Title:</b> Design and analysis of trans Z-source inverter for electric vehicle applications using neural network-clustering SDG-7</p> <p><b>Authors:</b> Manish Bharat, ASR Murty, Ritesh Dash</p> <p><b>Name of the journal:</b> Bulletin of Electrical Engineering and Informatics</p> <p><b>School:</b> EEE</p>	
17.	<p><b>Title:</b> Climate Change Adaptation and Mitigation in India- A Gendered Perspective.</p> <p><b>Authors:</b> Dr. Amit Anand &amp; Dr Devi K.S</p> <p><b>Name of the journal:</b> Neuroquantology</p> <p><b>School:</b> Legal Studies</p>	
18.	<p><b>Title:</b> Dual Data Validation and Optimization Technique for Lung Lesion Detection Using CT &amp; Ultrasound Patterns SDG-3</p> <p><b>Authors:</b> UN, Ranjitha, and Gowtham MA</p> <p><b>Name of the journal:</b> Journal of Optoelectronics Laser</p> <p><b>School:</b> CSE</p>	

19.	<p><b>Editors:</b> Syed Thouheed Ahmed, Syed Muzamil Basha</p> <p><b>Book Title:</b> Mathematical Principles in Machine Learning</p> <p><b>Chapter Title:</b></p> <p><b>Publisher:</b> Milestone Research Publications</p> <p><b>ISBN:</b> 978-93-5777-454-3</p> <p><b>School:</b> CSE</p>	
20.	<p><b>Authors:</b> Raghunandan, G.H., Keerthi Kumar, N., Neeraj, K., Kashyap, R.U., Vishal, S.V., Dr. Raveendra Gudodagi</p> <p><b>Book Title:</b> Sustainable Computing</p> <p><b>Chapter Title:</b> Fuzzy-Based Hierarchical Routing Protocol for Wireless Sensor Networks</p> <p><b>Publisher:</b></p> <p><b>ISBN:</b> 978-3-031-13576-7</p> <p><b>School:</b> Electronics and Communication Engineering</p>	
21.	<p><b>Authors:</b> Shetty, R., Sarappadi, P.N., Sudarshan, K.M., Gudodagi, R.</p> <p><b>Book Title:</b> Sustainable Computing</p> <p><b>Chapter Title:</b> A Review of AI-Based Diagnosis of Multiple Thoracic Diseases in Chest Radiography</p> <p><b>Publisher:</b></p> <p><b>ISBN:</b> 978-3-031-13576-7</p> <p><b>School:</b> Electronics and Communication Engineering</p>	

<p><b>22. Authors:</b> Muqeet, M.A., Hameeduddin, Q.M., Mohammed Ismail, B., Dr. Ali Baig Mohammad, Qadeer, S., Muzammil Parvez, M.</p> <p><b>Book Title:</b></p> <p><b>Chapter Title:</b> A Review of AI-Based Diagnosis of Multiple Thoracic Diseases in Chest Radiography</p> <p><b>Publisher:</b></p> <p><b>ISBN:</b> 978-981-19-6879-2</p> <p><b>School:</b> Electronics and Communication Engineering</p>	
<p><b>23. Editors:</b> Nataraj Urs, H.D., Venkata Siva Reddy, R., Gudodagi, R., Sudharshan, K.M., Aravind, B.N.</p> <p><b>Book Title:</b></p> <p><b>Chapter Title:</b> A Novel Algorithm for Reconfigurable Architecture for Software-Defined Radio Receiver on Baseband Processor for Demodulation</p> <p><b>Publisher:</b></p> <p><b>ISBN:</b> 978-3-031-13577-4</p> <p><b>School:</b> Electronics and Communication Engineering</p>	
<p><b>24. Authors:</b> Keerthi Kumar, N., Raghunandan, G.H., Gudodagi, R.</p> <p><b>Book Title:</b> Keerthi Kumar, N., Raghunandan, G.H., Gudodagi, R.</p> <p><b>Chapter Title:</b> Improvement of Flat Plate Collector Performance Using Nano-additives.</p> <p><b>Publisher:</b></p> <p><b>ISBN:</b> 978-3-031-13576-7</p> <p><b>School:</b> Electronics and Communication Engineering</p>	

25.	<p><b>Authors:</b> Abhishek Duttagupta</p> <p><b>Book Title:</b> Consumer Behaviour</p> <p><b>Chapter Title:</b></p> <p><b>Publisher:</b> Red'shine publication pvt ltd with Red'mac International</p> <p><b>ISBN:</b> 978-81-960634-1-2</p> <p><b>School:</b> Management</p>	
26.	<p><b>Name of the inventors:</b> 1.Dr.Niranjan Hiremath 2. Mr. Siva S 3.Mr. Shikha N Singh 4.Registrar</p> <p><b>Title of the innovation:</b> TOOTH BRUSH FOR KID SDG-4</p> <p><b>Patent No.:</b> 342739-00</p> <p><b>School:</b> Mechanical Engineering</p>	<p><b>Date of filing of Application:</b> 26/04/202</p> <p><b>Grant Date:</b> January 2022</p>
27.	<p><b>Grant Project Title:</b> Learning and Development Lab for Metaverse Technology</p> <p><b>Principal Investigator:</b> Kirankumari Patil</p> <p><b>Funding Agency:</b> Canara Bank</p> <p><b>School:</b> UIIC/CSE</p>	<p>Amount Granted for the project: <b>23.57L</b></p> <p>Grant No.</p> 