



List of Books Published / Book Chapter

01 April 2020 to 31 March 2021

FACULTY OF ENGINEERING & TECHNOLOGY	
Department: Aerospace Engineering	
Sl. No.	Paper Details
1	Sriram A.T. and Narahari H.K. (2020) Study of Wing Flutter at Preliminary Stages of Design. In: Salagame R., Ramu P., Narayanaswamy I., Saxena D. (eds) <i>Advances in Multidisciplinary Analysis and Optimization. Lecture Notes in Mechanical Engineering</i> . Springer, Singapore. https://doi.org/10.1007/978-981-15-5432-2_6 . (Book Chapter)
2	Ramkumar R., Mannari M. and Sriram A. T. (2021) CFD Simulation Studies on Model Can-Type Combustor with Syngas and Enhanced Hydrogen Fuel Combustion. In: Gupta A., Mongia H., Chandna P., Sachdeva G. (eds) <i>Advances in IC Engines and Combustion Technology. NCICEC 2019. Lecture Notes in Mechanical Engineering</i> . Springer, Singapore. https://doi.org/10.1007/978-981-15-5996-9_20 . (Book Chapter)
Department: Computer Science and Engineering	
Sl. No.	Paper Details
1	Supriya, M. S. and Gangadhar, N. D. (2020) Automotive Crash Detection Using Multi-sensor Data Fusion, <i>In Emerging Trends in Photonics, Signal Processing and Communication Engineering</i> , Springer, Singapore. pp. 149-155. (Book Chapter)
2	Sahana, P. Shankar, Harshit Agrawal and Naresh, E. (2020) A Survey on Different Approaches to Automating the Design Phase in the Software Development Life Cycle, <i>Handbook of Research on Engineering Innovations and Technology Management in Organizations</i> . ISBN10: 1799827720. DOI: 10.4018/978-1-7998-2772-6. (Book Chapter)
3	Sahana, P. Shankar, Supriya, M. S. and Naresh, E. (2020) Application of Design Thinking Methodology to the Various Phases of the Software Development Life Cycle, <i>Handbook of Research on Engineering Innovations and Technology Management in Organizations</i> . ISBN10: 1799827720. DOI: 10.4018/978-1-7998-2772-6. (Book Chapter)

4	Prabhakar Ananthaswamy and Sahana, P. Shankar (2020) Application of Design Thinking Methodology to the Various Phases of the Software Development Life Cycle, <i>Handbook of Research on Engineering Innovations and Technology Management in Organizations</i> . ISBN10: 1799827720. DOI: 10.4018/978-1-7998-2772-6. (Book Chapter)
5	Naresh, E., Vijaya Kumar, B. P., Ayesha and Shankar S.P. (2020) Impact of Machine Learning in Bioinformatics Research, In: Srinivasa K., Siddesh G., Manisekhar S. (eds) <i>Statistical Modelling and Machine Learning Principles for Bioinformatics Techniques, Tools, and Applications. Algorithms for Intelligent Systems</i> . Springer, Singapore. https://doi.org/10.1007/978-981-15-2445-5_4 . (Book Chapter)

Department: Civil Engineering

Sl. No.	Paper Details
1	Geon Clinton, Akshayakumar, V. Hanagodimath and Naik S. K. (2020) Energy Analysis, Simulation, and Comparison of a Commercial Building Using Standard Approach and AECOsim., <i>Green Buildings and Sustainable Engineering</i> , Springer Transactions in Civil and Environmental Engineering. Springer, Singapore, pp. 197-204. DOI https://doi.org/10.1007/978-981-15-1063-2_14 (Book Chapter)

Department: Electrical Engineering

Sl. No.	Paper Details
1	Manickavasagam, K., Karuppasamy, I. and Puttaraj, V. (2020) Generation Regulation Control Systems, In: Zobia A., Abdel Aleem S., Ismael S., Ribeiro P. (eds) <i>Hosting Capacity for Smart Power Grids</i> . Springer, Cham (Book Chapter)
2	Hegde, M., Rao, S. N. and Indira, M. S. (2020) Modified Cascaded Reversing Voltage Multilevel Inverter Using Optimal Switching Angle Technique for Photovoltaic Applications, In <i>Innovations in Electrical and Electronic Engineering Springer, Singapore</i> , pp. 319-338.

Department: Electronic and Communication Engineering

Sl. No.	Paper Details
1	Vaishali Raghavendra Kulkarni, Veena Desai, Akash Sikarwar and Raghavendra V. Kulkarni (2020) Mobile Anchor-Assisted Localization Using Invasive Weed Optimization Algorithm. In Shi Cheng and Yuhui Shi (ed.) <i>Handbook of Research on Advancements of Swarm Intelligence Algorithms for Solving Real-World Problems</i> , USA, IGI Global Publishers. pp. 415-436. (Book Chapter)

Department: Mechanical and Manufacturing Engineering

Sl. No.	Paper Details
---------	---------------

1	Shrikrishna Badiger and Ramakrishna, D. S. (2020) Stress Distribution in an Infinite Plate with Circular Hole by Modified Body Force Method, <i>In: Vinyas, M., Loja, A., Reddy, K. (eds) Advances in Structures, Systems and Materials. Lecture Notes on Multidisciplinary Industrial Engineering. Springer, Singapore. pp. 163-174. (Book Chapter)</i>
2	Vibish, S. Bhardwaj, Ramesh, H. Aralaguppi, Ashok, N. Badhe, Bhargav and Arun, R. Rao (2020) Study and Estimation of Static Stiffness of Machine Tool Spindle, <i>In: Vinyas M., Loja A., Reddy K. (eds) Advances in Structures, Systems and Materials. Lecture Notes on Multidisciplinary Industrial Engineering. Springer, Singapore. pp. 143-152. (Book Chapter)</i>
3	Ajith, G. Joshi, Manjaiiah, M., Suresh, R. and Mahesh, B. Davangere (2020) ANN Modelling of Surface Roughness and Thrust Force during Drilling of Sic Filler Incorporated Glass/Epoxy Composites, <i>In: Ganesh M. Kakandikar, Dinesh G. Thakur (ed.) Nature-Inspired Optimization in Advanced Manufacturing Processes and Systems, CRC Press, Taylor & Francis Group, Boca Raton, pp. 149-173. (Book Chapter)</i>

FACULTY OF HOSPITALITY MANAGEMENT AND CATERING TECHNOLOGY

Department: Front office

Sl. No.	Paper Details
1	Sweetly Jamgade (2020) Catalytic Effect of Tourism in Peacebuilding: Sustainability and Peace through Tourism, <i>Role and Impact of Tourism in Peacebuilding and Conflict Transformation</i> , IGI Global, U.S. ISBN13: 9781799850533, ISBN10: 1799850536, EISBN13: 9781799850540 DOI: 10.4018/978-1-7998-5053-3 (Book Chapter)

FACULTY OF DENTAL SCIENCES

Department: Oral Medicine and Radiology

Sl. No.	Paper Details
1	Shwetha, V. and Preetham, S. (2020) Development and Validation of an Innovative Hand-Held Device for Early Detection of Oral Cancer and Oral Potentially Malignant Disorders, <i>In: Kadambi, G., Kumar, P., Palade, V. (eds) Emerging Trends in Photonics, Signal Processing and Communication Engineering, Lecture Notes in Electrical Engineering, 649, Springer, Singapore. (Book Chapter)</i>

Department: Oral Pathology and Microbiology

Sl. No.	Paper Details
---------	---------------

1	Vanishri, C. H., Roopa, S. Rao, Kewal, K. M., Srimanta, P., Bishnu, P. B. and Amruta, S. (2020) Autophagy: An Agonist and Antagonist with an Interlink of Apoptosis in Cancer, <i>Springer, Nature Singapore Pte Ltd.</i> (Book Chapter)
2	Augustine, D., Rao, R.S., Anbu, J., Saraswathy, G.R., Chidambara, M. K. N., and Hema, S. G. N. S. (2019) Homology Modeling, Molecular Dynamics and Docking of a Novel Anti-cancer Protein Obtained from Earthworm Coelomic Fluid. In Murahari M, Sundar L, Chaki S, Poongavanam V, Bhat P, Nayak UY (Ed.), Conference on Drug Design and Discovery Technologies, London, UK: Royal Society of Chemistry, pp. 249-253. (Book Chapter)

FACULTY OF MATHEMATICAL AND PHYSICAL SCIENCES

Department: Chemistry

Sl. No.	Paper Details
1	Jineesh, A. G. and Mohapatra, S. (2019) Thermal Properties of Polymer– Carbon Nanocomposites. In: Rahaman M., Khastgir D., Aldabahi A. (eds) Carbon-Containing Polymer Composites. Springer Series on Polymer and Composite Materials. <i>Springer, Singapore.</i> (Book Chapter)

FACULTY OF LIFE AND ALLIED HEALTH SCIENCES

Department: Biotechnology

Sl. No.	Paper Details
1	Debasish Kar (Ed.) (2020) Replication of CSIR NET Life Sciences, <i>Viva Books Pvt. Ltd, New Delhi</i> , ISBN-10 :9390054273; ISBN-13 :978-9390054275. (Book Review)

Department: Allied Health Sciences

Sl. No.	Paper Details
1	Medha Anant Joshi (2020) Book review: Humanities in medical education, <i>CBS Publishers and distributors</i> , ISBN10:938796437X; ISBN13: 9789387964372. (Book Review)
2	Krishnamurthy Jayanna. (2020) Science and Practice of Integrative Health and Wellbeing Lifestyle, White Falcon Publishers (ISBN:978-1-63640-074-7) (Books/Reports)
3	Krishnamurthy Jayanna. (2020) White Report. A Rapid Turnaround Survey of COVID-19 in 15 Low- and Middle-Income Countries: The Readiness, Responses, and Challenges of Healthcare Organizations by Center for Global Health, University of Illinois, Chicago (Books/Reports).

FACULTY OF SCHOOL OF SOCIALSCIENCES

Department: Public Policy

Sl. No.	Paper Details
---------	---------------

1	Chetan Singai and Sweta Kumari (2020) State and Political Obligation: Concepts, Theories and Approaches. MPP Book House.
2	Chetan Singai (2020) Quality Mandate for Higher Education Institutions in India, initiated by University Grants Commission, New Delhi on National Education Policy-2020 (Book Chapter)