**SRI VENKATESWARA COLLGE OF ENGINEERING**

**Dean (Research), Office of Dean (Research)**

**Faculty members authored Books and contributed Book chapters**

**Year 2018-2019**

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| --- | --- | --- | --- |
| **S. No.** | **Name of the Faculty (all coauthors)** | **Title of the Book** | **Details of the Book** |
|  | Rathna R, Kalaiselvi A and Nakeeran E  Biotechnology | Potential Applications of Nanotechnology in Agriculture Current status and Future aspects | Bioorganic Phase in Natural Food : *An Overview*, pp. 187- 210 (Chapter No.10), 2018.  **(Book Chapter)** |
|  | Kalaiselvi A, Rathna R and **Dr Nakeeran E**  Biotechnology | Toxicological studies and regulatory aspects of Nanobased foods | Bioorganic Phase in Natural Food : An Overview , pp. 225-258 (Chapter No.12)  2018.  **(Book Chapter)** |
|  | **Dr Nakeeran E**, Ms Kalaiselvi A, Ms Rathna R and Aswin Jeno Jose G  Biotechnology | Mechanism and Application of Nano assisted carrier system in food | Bioorganic Phase in Natural Food: An Overview, pp.273-292 (Chapter No.14), 2018  **(Book Chapter)** |
|  | **R.Muthucumaraswamy**  Applied Mathematics | Transforms and Partial Differential Equations | Yes Dee Publishing Private Limited, Chennai, 2018.  (revised as per Anna University Syallabus) |
|  | **Dr T Murugavel**  Humanities and Social Sciences | Portrayal of Women in Media : Especially in Advertisements | Study, Women, Youth and Media Today, pp. 38-42 (Chapter No.4), Shirpa Publication India Limited, 2018.  **(Book Chapter)** |
|  | Ms Rathna R, **Dr Nakeeran E**, S Varjani and B Madhumitha  Biotechnology | Intriguing Disposition of Marine Algae-Derived Enzymes in food Biotechnology | Green Bio-Processes- Enzymes in Industrial Food Processing, pp. 305-3210 (Chapter No.16), 2018, Springer.  **(Book Chapter)** |
|  | Ms Rathna R, **Dr Nakeeran E**, S Varjani  Biotechnology | Realistic Advancement in Engineered Osmosis for water treatment | Water and wastewater treatment Technologies, Energy, Environment, and Sustainability, pp.187-207  (Chapter No.10), 2019  Springer  **(Book Chapter)** |
|  | Ms Kirthika Sreenivas, Mr Kamalakannan Vijayan, and **R B Narayanan**, Professor, Department of Biotechnology | Recombinant Filarial, *Wolbachia* 6 Antigensand their role in the Immunopathogenesis of Human Lymphatic Filariasis | Lymphatic Filariasis, Epidemiology, Treatment and Prevention – The Indian Perspective, Springer, 2018.(Chapter No.6)  **(Book Chapter)** |
|  | Ms Rathna R, S Varjani, **Nakkeeran E**  Department of  Biotechnology | Sequestration of Heavy Metals from Industrial Wastewater Using Composite Ion Exchangers | Applications of Ion Exchange Materials in the Environment, pp. 1-18 (Chapter No. 9), 2019, Springer.  **(Book Chapter)** |
|  | **M. Nishal**  K.E.K. Vimal  K. Jayakrishna  Department of Mechanical Engg. | Sustainable Supply Chain Management: Barriers and Analysis Methods | **Book Name**:  Emerging Applications in Supply Chains for Sustainable Business Development Pg (103 - 114), IGI GLOBAL, 2018.  **(Book Chapter)** |
|  | ArunSenthilSundaramoorthy, **ArunPremAnand Natarajan**, SundaramoorthySithanandam  Department of  Chemical Engineering | Proceedings of the 28th European Symposium on Computer Aided Process Engineering – Part A **Computer-Aided Chemical Engineering Vol. 43** | Contributed a chapter titled “Comparative Performance Analysis of Industrial Scale Catalytic Steam Reformer with Membrane Steam Reformer’’ Published by: Elsevier B. V: Amsterdam, 2018  **ISBN: 978-0-444-64235-6**  **(Book Chapter)** |