**SRI VENKATESWARA COLLGE OF ENGINEERING**

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

**Books/Book chapters published by faculty for the Academic year 2019-2020**

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| --- | --- | --- | --- |
| **S. No.** | **Name of the Faculty (all coauthors)** | **Title of the Book/Book Chapter** | **Details of the Book** |
|  | **Dr Muthucumaraswamy R** and Dr K Jaganathan | Engineering Mathematics-I | Spectrum All in One series, SIA Publishers and Distributors Pvt Ltd, Hyderabad, 2019 |
|  | **Dr Muthucumaraswamy R** | Engineering Mathematics-II | Spectrum All in One series, SIA Publishers and Distributors Pvt Ltd, Hyderabad, 2019 |
|  | **Dr Muthucumaraswamy R** | Numerical Methods | Spectrum All in One series, SIA Publishers and Distributors Pvt Ltd, Hyderabad, 2019 |
|  | **Dr Muthucumaraswamy R** and Ms G Manjula Devi | Discrete Mathematics | Spectrum All in One series, SIA Publishers and Distributors Pvt Ltd, Hyderabad, 2019 |
|  | **Mr Rajvikram M** | Analysis of green energy production of a most populous state in India | LAMBERT Academic publishing, 2019. |
|  | Ms Ravichandran Ratna and **Dr** **E Nakeeran** | The Intertwined facets of membrane technology for Industrial effluents | Biovaloisation of wastes to renewable chemicals and biofuels, Elesevier  **(Chapter 7)** |
|  | **Mr Senthil Nagappan** and Dr E Nakeeran | Protein Engineering approaches for Lignocellulosic ethanol bio refinery | Biovaloisation of wastes to renewable chemicals and biofuels, Elesevier  **(Chapter 12)** |
|  | **Dr S Prabhu** and  Ms V. Sandhya | Liposome Nanocarrier: Synthesis, Characterization, and Applications | Nanotechnology in Biology and Medicine: Research Advancements & Future Perspectives Taylor and Francis Group,USA, 2019, 45-61. **(Chapter 4)** |
|  | **Ms Pandi Prabha** S, Senthil Nagappan A, Rathna R, Viveka R & Nakkeeran E, | Refining Biomass Residues for Sustainable Energy and Bioproducts | Blue Biotechnology: A Vision For Future Marine Biorefineries, **Elsevier**, 2019, pp. 463-480. |
|  | **Dr Yaaswanth**  S.Ramesh  Prathibanandhi | A conjoint edifice for QOS and QOE through video transmission at wireless multimedia sensor networks | Springer Nature, Vol. 46  pp.420-431, 2020 |
| 11. | Rathna R & **Dr E** **Nakkeeran** | Biological Treatment for the Recovery of Minerals from Low-Grade Ores. Varjani et al. (eds.) | Current Developments in Biotechnology and Bioengineering: Resource Recovery from Wastes, **Elsevier**, 2020, pp. 437-458.  **(Book Chapter 22)** |
| 12. | Rathna R, Jeno JGA, Sivagami N, Bhrathi VP &  **Dr E** **Nakkeeran** | Invisible membrane revolution: Shaping the future of air purification. Tuấn Anh et al. (eds.) | Nanomaterials for Air Remediation, **Elsevier**, 2020, pp. 333-358.  (**Book Chapter 17)** |
| 13. | **Senthil Nagappan A** and Dr E Nakkeeran | Biorefinery: A Concept  for Co-Producing  Biofuels with Value  Added Products | Environmental biotechnology, Springer Nature  (**Book Chapter 2),** |
| 14. | **Dr P Venkateswara Rao** | Strength of Materials-II | Spectrum All in One series, SIA Publishers and Distributors Pvt Ltd, Hyderabad, 2019. |
| 15. | **Mr S Diraviabalan** | Applied Hydraulic Engineering | Spectrum All in One series, SIA Publishers and Distributors Pvt Ltd, Hyderabad, 2019. |
| 16. | **Ms T J Jeyaprabha** | Digital Communication | Spectrum All in One series, SIA Publishers and Distributors Pvt Ltd, Hyderabad, 2019. |
| 17. | **Mr E Loganathan** | Computer Architecture and Organization | Spectrum All in One series, SIA Publishers and Distributors Pvt Ltd, Hyderabad, 2019. |
| 18. | Muralidharan C, Mohamed Sirajudeen Y, **Dr** **R Anitha** | Patient Reports Analysis for Identification and Diagnosis of Disease | CRC Press, Taylor & Francis, 2019 |
| 19. | Mohamed Sirajudeen Y,  **Dr R Anitha** | Efficient deduplication on Cloud Environment using Bloom Filter and IND-CCA2 secured Cramer Shoup Cryptosystem | Springer LNCS, pp. 714-723, 2020. |
| 20. | Padmapriya N,  **Dr N Kumaratharan** and  Aswini R. | Energy-Efficient Routing for WSNs | Nature-Inspired Computing Applications in Advanced Communication Networks, IGI Global Publishers, DOI: 10.4018/978-1-7998-1626-3.ch006 |
| 21. | **Mr N Arun PremAnand** | Modeling and optimization of Industrial Scale Membrane Steam reformer for production of Hydrogen | Global Challenges in Energy and Environment, Springer, Singapore |
| 22. | **Dr Muthucumaraswamy R** | Engineering Mathematics-II | Spectrum All in One series, SIA Publishers and Distributors Pvt Ltd, Hyderabad, 2020 |
| 23. | **Dr Muthucumaraswamy R** | Statistics and Numerical Methods | Spectrum All in One series, SIA Publishers and Distributors Pvt Ltd, Hyderabad, 2020 |
| 24. | **K.Ram Prasad and Mr M Nishal** | Handbook of Research on IT applications for strategic competitive advantage and decision making | Identifying key barriers for successful technology adoption  IGI Global Publisher , 2020 |