

Department of Chemical Engineering
SSN College of Engineering, Chennai

List of Books

S. No	Title of the Book	Name of the Faculty and Co-Authors	Publisher Details
1	GATEway to General Aptitude	M. Subramanian, S. Siddarth, R. Pavan Kumar	349 pages, Rishal Publications,(ISBN: 9788193599310),India, 2017
2	GATEway to Chemical Engineering - Set of 5 volumes	M. Subramanian, D. K. Sandilya, K. Nagarajan, S. Siddarth, R. Pavan Kumar	1464 pages, Rishal Publications, (ISBN: 9788193599372), India, 2018.

List of Book Chapters

2020

S. No	Title of the Book	Title of the Book Chapter	Name of the Faculty and Co-Authors	Publisher Details
1	Biochemical and Environmental Bioprocessing: Challenges and Developments pp. 1-16, 2020	Biosorption-an elective strategy for wastewater treatment: An eco-friendly approach	A. Saravanan, P. Senthil Kumar* , P.R. Yaashikaa	Taylor & Francis, CRC Press, USA ISBN-13: 978-0-367-18739-2 (Hardback)
2	Environmental Footprints of Recycled Polyester pp. 31-48, DOI: 10.1007/978-981-13-9578-9_2, 2020	Advancements in Recycled Polyesters	A. Saravanan, P. Senthil Kumar*	Springer Publications DOI: 10.1007/978-981-13-9578-9
3	Environmental Footprints of Recycled Polyester pp. 85-99, DOI: 10.1007/978-981-13-9578-9_4, 2020	Case Studies on Recycled Polyesters and Different Applications	P. Senthil Kumar* , P.R. Yaashikaa	Springer Publications DOI: 10.1007/978-981-13-9578-9
4	Refining biomass residues for Sustainable Energy and Bioproducts: Technology, advances, life cycle assessment and economics 2020	Sources and Operations of Waste Biorefineries	P. Senthil Kumar* , P.R. Yaashikaa	Elsevier Publications

5	Refining biomass residues for Sustainable Energy and Bioproducts: Technology, advances, life cycle assessment and economics 2020	Food Industry Waste Biorefineries	P. Senthil Kumar* , A. Saravanan, R. Jayasree, S. Jeevanantham	Elsevier Publications
6	Refining biomass residues for Sustainable Energy and Bioproducts: Technology, advances, life cycle assessment and economics 2020	Solid-Waste Biorefineries	A. Saravanan , R. Jayasree , T.R. Sundararaman, R.V. Hemavathy , S. Jeevanantham , P. Senthil Kumar , P.R. Yaashikaa	Elsevier Publications
7	Biovalorisation of Wastes to Renewable Chemicals and Biofuels 2020	Recent trends and challenges in bioleaching technologies	P. Senthil Kumar* , P.R. Yaashikaa	Elsevier Publications
8	Biovalorisation of Wastes to Renewable Chemicals and Biofuels 2020	Membrane separation technologies for downstream processing	A. Saravanan, P. Senthil Kumar* R. Jayashree, S. Jeevanantham	Elsevier Publications
9	Sustainable Electronic-Waste Management: Implications on Environmental and Human Health pp. 201-218, 2020	E-waste Recycling and Management	KG Pavithra, PSS Rajan, D Balaji, KP Gopinath	Springer Publications
10	Chemical Recycling of Electronic-Waste for Clean Fuel Production	E-waste Recycling and Management	J. Arun, KP Gopinath	Springer Publications

2019

S. No	Title of the Book	Title of the Book Chapter	Name of the Faculty and Co-Authors	Publisher Details
1	A New Generation Material Graphene: Applications In Water Technology, pp. 239-260, 2019, DOI: 10.1007/978-3-319-75484-0_10	Bromate formation in drinking water and its control using graphene based materials	Mu. Naushad, P. Senthil Kumar* , S. Suganya	Springer Publications ISBN 978-3-319-75483-3 ISBN 978-3-319-75484-0 (eBook)
2	A New Generation Material Graphene: Applications In Water Technology, pp. 287-308, 2019, DOI: 10.1007/978-3-319-75484-0_12	Efficient removal of nitrate and phosphate using graphene nanocomposite	P. Senthil Kumar* , P. R. Yaashikaa, S. Ramalingam	Springer Publications ISBN 978-3-319-75483-3 ISBN 978-3-319-75484-0 (eBook)
3	A New Generation Material Graphene: Applications In Water Technology, pp. 397-412, 2019, DOI: 10.1007/978-3-319-75484-0_16	New analytical approaches for pharmaceutical wastewater treatment using graphene based materials	P. Senthil Kumar* , A. Saravanan	Springer Publications ISBN 978-3-319-75483-3 ISBN 978-3-319-75484-0 (eBook)
4	Water in Textiles & Apparel, pp. 1-20, 2019, DOI: 10.1016/B978-0-08-102633-5.00001-4	Introduction - Water	P. Senthil Kumar* , P.R. Yaashikaa	Elsevier Publications ISBN: 978-0-08-102633-5 (print) ISBN: 978-0-08-102654-0 (online)
5	Water in Textiles & Apparel pp. 21-40, 2019, DOI: 10.1016/B978-0-08-102633-5.00002-6	Water & Textiles	P. Senthil Kumar* , K. Grace Pavithra	Elsevier Publications ISBN: 978-0-08-102633-5 (print) ISBN: 978-0-08-102654-0 (online)

6	Water in Textiles & Apparel pp. 61-76, 2019, DOI: 10.1016/B978-0-08-102633-5.00004-X	Water Withdrawal And Conservation- Global Scenario	P. Senthil Kumar* , C. Femina Carolin	Elsevier Publications ISBN: 978-0-08-102633-5 (print) ISBN: 978-0-08-102654-0 (online)
7	Environmental Water Footprints - Concepts and Case Studies from the Food Sector pp. 1-20, 2019, DOI: 10.1007/978-981-13-2454-3	Environmental Footprints of Water - Concepts, Tools, Importance And Challenges	P. Senthil Kumar* , K. Grace Pavithra	Springer Publications ISBN 978-981-13-2453-6 ISBN 978-981-13-2454-3 (e book) ISSN 2345-7651 ISSN 2345-766X (electronic)
8	Environmental Water Footprints - Agricultural and Consumer Products pp. 1-20, 2019, DOI: 10.1007/978-981-13-2508-3	Water Footprint of Agricultural Products	P. Senthil Kumar* , G. Janet Joshiba	Springer Publications ISBN 978-981-13-2507-6 ISBN 978-981-13-2508-3 (eBook) ISSN 2345-7651 ISSN 2345-766X (electronic)
9	Circular Economy in Textiles & Apparel pp. 149-168, 2019, DOI: 10.1016/B978-0-08-102630-4.00007-8	Sustainable Business Strategies & Circular Economy	P. Senthil Kumar* , A. Saravanan	Elsevier Publications ISBN: 978-0-08-102630-4
10	Circular Economy in Textiles & Apparel pp. 169-182, 2019, DOI: 10.1016/B978-0-08-102630-4.00008-X	Systems and Models for Circular Economy	P. Senthil Kumar* , S. Suganya	Elsevier Publications ISBN: 978-0-08-102630-4
11	Circular Economy in Textiles & Apparel pp. 207-218, 2019, DOI: 10.1016/B978-0-08-102630-	Future for Circular Economy	P. Senthil Kumar* , C. Femina Carolin	Elsevier Publications ISBN: 978-0-08-102630-4

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12	Organic Cotton Is it a sustainable solution pp. 127-140, 2019, DOI: 10.1007/978-981-10-8782-0_6	Organic cotton and its environmental impacts	P. Senthil Kumar* , P.R. Yaashikaa	Springer Publications ISSN 2197-9863 ISSN 2197-9871 (electronic) ISBN 978-981-10-8781-3 ISBN 978-981-10-8782-0 (eBook)
13	Organic Cotton Is it a sustainable solution pp. 141-156, 2019, DOI: 10.1007/978-981-10-8782-0_7	Organic cotton Vs Recycled cotton Vs Sustainable cotton	P. Senthil Kumar* , A. Saravanan	Springer Publications ISSN 2197-9863 ISSN 2197-9871 (electronic) ISBN 978-981-10-8781-3 ISBN 978-981-10-8782-0 (eBook)
14	Energy Footprints of the Food and Textile Sectors pp. 1-18, 2019, DOI: 10.1007/978-981-13-2956-2_1	Energy footprints of food products	P. Senthil Kumar* , G. Janet Joshiba	Springer Publications ISSN 2345-7651 ISSN 2345-766X (electronic) ISBN 978-981-13-2955-5 ISBN 978-981-13-2956-2 (eBook)
15	Energy Footprint : Industrial Case Studies 2019, pp. 45-61 DOI: 10.1007/978-981-13-2956-2_3	Energy footprints of textile products	P. Senthil Kumar* , A. Saravanan	Springer Publications ISSN 2345-7651 ISSN 2345-766X (electronic) ISBN 978-981-13-2955-5 ISBN 978-981-13-2956-2 (eBook)
16	Social Life Cycle Assessment - Case Studies from Agri and Food Sectors pp. 59-76, 2019 DOI: 10.1007/978-981-13-3236-4_3	Case Study on Social Life Cycle Assessment of the Dairy Industry	P. Senthil Kumar* , P.R. Yaashikaa	Springer Publications ISSN 2345-7651 ISSN 2345-766X (electronic) ISBN 978-981-13-3235-7 ISBN 978-981-13-3236-4 (eBook)

17	Social Life Cycle Assessment - Case Studies from the Textile and Energy Sectors pp. 99-111, 2019 DOI: 10.1007/978-981-13-3233-3_3	Social life cycle assessment of renewable bio-energy products	A. Saravanan, P. Senthil Kumar*	Springer Publications ISSN 2345-7651 ISSN 2345-766X (electronic) ISBN 978-981-13-3232-6 ISBN 978-981-13-3233-3 (eBook)
18	Advanced Topological Insulators, pp. 361-392 2019	Patterned 2D Thin Films Topological Insulators for Potential Plasmonic Applications	G Padmalaya, E Manikandan, S Radha, BS Sreeja,* P Senthil Kumar*	Scrivener Publishing LLC
19	Applications of Ion exchange Materials in Chemical, Biomedical and Food Industries DOI: 10.1007/978-3-030-06082-4_9 2019	Separation and purification of vitamins: vitamin B1, B2, B6, C, and K1	P. Senthil Kumar* , G. Janet Joshiba	Springer Publications
20	Applications of Ion exchange Materials in Chemical, Biomedical and Food Industries DOI: 10.1007/978-3-030-06082-4_8 2019	Separation and purification of nucleotides, nucleosides, purine and pyrimidine bases by ion exchange	P. Senthil Kumar* , P. R. Yaashikaa	Springer Publications
21	Global Supply Chains in the Pharmaceutical Industry pp. 112-132, 2019 DOI: 10.4018/978-1-5225-5921-4.ch005	Product life cycles in pharmaceutical industry	P. Senthil Kumar* , P. R. Yaashikaa	IGI Global Publishers ISBN13: 9781522559214 ISBN10: 1522559213 EISBN13: 9781522559221 DOI: 10.4018/978-1-5225-5921-4
22	Global Supply Chains in the Pharmaceutical Industry pp. 158-179, 2019	Production process in pharmaceutical industry	P. Senthil Kumar* , C. Femina Carolin	IGI Global Publishers ISBN13: 9781522559214 ISBN10: 1522559213 EISBN13: 9781522559221

	DOI: 10.4018/978-1-5225-5921-4.ch007			DOI: 10.4018/978-1-5225-5921-4
23	Global Supply Chains in the Pharmaceutical Industry pp. 181-205, 2019 DOI: 10.4018/978-1-5225-5921-4.ch008	Characteristics/specifics of pharmaceutical supply chains	P. Senthil Kumar* , A. Saravanan	IGI Global Publishers ISBN13: 9781522559214 ISBN10: 1522559213 EISBN13: 9781522559221 DOI: 10.4018/978-1-5225-5921-4
24	Book Title: Sustainable Agriculture Reviews Sub Title: Date Palm for Food, Medicine and the Environment Vol. 34 DOI: 10.1007/978-3-030-11345-2_1 2019	Date palm as a healthy food	P. Senthil Kumar* , P.R. Yaashikaa	Springer Publications ISBN: 978-3-030-11344-5
25	Book Title: Sustainable Agriculture Reviews Sub Title: Date Palm for Food, Medicine and the Environment Vol. 34 DOI: 10.1007/978-3-030-11345-2_5 2019	Biogas production from date palm fruits	P. Senthil Kumar* , C. Femina Carolin	Springer Publications ISBN: 978-3-030-11344-5
26	Nanomaterials for Solar Cell Applications pp. 97-124, 2019, DOI: 10.1016/B978-0-12-813337-8.00004-7	Characterization Techniques for Nanomaterials	P. Senthil Kumar* , K. Grace Pavithra, Mu. Naushad	Elsevier Publications ISBN 978-0-12-813337-8, DOI: 10.1016/B978-0-12-813337-8.00004-7
27	Green Materials for Wastewater	Treatment of dye	A. Saravanan, P. Senthil Kumar* , P.R.	Springer Publications ISSN 2213-7114 ISSN 2213-

	Treatment pp. 149-170, DOI: 10.1007/978-3-030-17724-9_7, 2019	containing wastewater using agricultural biomass derived magnetic adsorbents	Yaashikaa	7122 (electronic) ISBN 978-3-030-17723-2 ISBN 978-3-030-17724-9 (eBook) DOI: 10.1007/978-3-030- 17724-9
28	Thermo-mechanical Properties of Polymer Composites Vol. 23, pp 64-74 doi:10.4028/www.scientific.net/DF.23.64, 2019	Ionic polymer metal composites	P. Senthil Kumar* , P. R. Yaashikaa	Diffusion Foundations Online: 2019-08-07 ISSN: 2296-3642, Trans Tech Publications Ltd, Switzerland
29	Thermo-mechanical Properties of Polymer Composites Vol. 23, pp 75-81 doi:10.4028/www.scientific.net/DF.23.75, 2019	Carbon nanotube composite	P. Senthil Kumar* , G. Janet Joshiba	Diffusion Foundations Online: 2019-08-07 ISSN: 2296-3642, Trans Tech Publications Ltd, Switzerland
30	Thermo-mechanical Properties of Polymer Composites Vol. 23, pp 82-89 doi:10.4028/www.scientific.net/DF.23.82, 2019	Polymer electrolyte membranes	P. Senthil Kumar* , C. Femina Carolin	Diffusion Foundations Online: 2019-08-07 ISSN: 2296-3642, Trans Tech Publications Ltd, Switzerland
31	Recent Advances in Diffusion and Transport Phenomena of Composite Materials Vol. 23, pp 213-221 doi:10.4028/www.scientific.net/DF.23.213, 2019	Diffusion of multiwall carbon nanotubes into industrial polymers	P. Senthil Kumar* , A. Saravanan	Diffusion Foundations Online: 2019-08-07 ISSN: 2296-3642, Trans Tech Publications Ltd, Switzerland
32	Recycled Polyester 2019	Test Methods and Identification of Recycled Polyester	P. Senthil Kumar* , S. Suganya	Springer Publications

33	Recycled Polyester 2019	Properties of recycled polyester	P. Senthil Kumar* , G. Janet Joshiba	Springer Publications
34	Sustainability in the Textile and Apparel Industries 2019	Sustainability in Dyeing and Finishing	P. Senthil Kumar* , G. Janet Joshiba	Springer Publications
35	Sustainability in the Textile and Apparel Industries 2019	Sustainability in the Spinning Process	P. Senthil Kumar* , G. Janet Joshiba	Springer Publications
36	Nanofluids and Their Engineering Applications 2019	Thermophysical properties enhancement using hybrid nanofluids and their synthesis and applications	B.Chitra, K.Sathishkumar, N.Fedalcastro, S.Srinivas	CRC Press, Taylor & Francis Group, ISBN NO.: 978-1-1386-0526-8
37	High-Performance Photocatalysts for Organic Reactions 2019	Nanophotocatalysis and Environmental Applications	R Goutham, KP Gopinath, A Ramprasath, B Srikanth, R Badri Narayan	Springer, Cham
38	Supporting Materials for Immobilisation of Nano-photocatalysts 2019	Nanophotocatalysis and Environmental Applications	R Goutham, R Badri Narayan, B Srikanth, KP Gopinath	Springer, Cham
39	Application of Nano-Photocatalysts for Degradation and Disinfection of Wastewater 2019	Advanced Research in Nanosciences for Water Technology	Jayaseelan Arun, Vargees Felix, Marudai Joselyn Monica, K.P. Gopinath	Springer, Cham
40	Immobilized Nanocatalysts for	Advanced Research in	Jayaseelan Arun,	Springer, Cham

	Degradation of Industrial Wastewater 2019	Nanosciences for Water Technology	Marudai Joselyn Monica, Vargees Felix, K.P. Gopinath	
41	Polymeric Composites as Catalysts for Fine Chemistry 2019	Sustainable Polymer Composites and Nanocomposites	P SundarRajan, K GracePavithra, D Balaji, KP Gopinath	Springer, Cham
42	Advances in Quantum Communication and Information 2019	DFT Study on Interaction of Estrone and Imidazolium-Based Hydrophobic Ionic Liquids	Sai Saravanan Amsbi Venkataramanan, Ramalingam Anantharaj	IntechOpen Limited 7th floor 10 Lower Thames Street London, EC3R 6AF, UK
43	Advances in Quantum Communication and Information 2019	DFT Study on Interaction of Estrone and Imidazolium-Based Hydrophobic Ionic Liquids	Sai Saravanan Ambi Venkataramanan, Ramalingam Anantharaj	IntechOpen Limited 7th floor 10 Lower Thames Street London, EC3R 6AF, UK

2018

S. No	Title of the Book	Title of the Book Chapter	Name of the Faculty and Co-Authors	Publisher Details
1	Detox Fashion- Waste Water Treatment, pp. 1-26, 2018 DOI 10.1007/978-981-10-4780-0	Sustainable Waste water Treatment Technologies	P. Senthil Kumar* , A. Saravanan	Springer Publications ISSN 2197-9863 ISSN 2197-9871 (electronic) ISBN 978-981-10-4779-4 ISBN 978-981-10-4780-0 (eBook)
2	Detox Fashion- Sustainable Chemistry and Wet Processing, pp. 37-60, 2018	Sustainable Wet Processing - An Alternate Source for Detoxifying Supply Chain in Textiles	P. Senthil Kumar* , E. Gunasundari	Springer Publications ISSN 2197-9863 ISSN 2197-9871 (electronic) ISBN 978-981-10-4875-3 ISBN 978-981-10-4876-0 (eBook)
3	Detox Fashion-Supply Chain, pp. 1-26, 2018 DOI 10.1007/978-981-10-4777-0	Toxic Free Supply Chain for Textiles and Clothing	P. Senthil Kumar* , S. Suganya	Springer Publications ISSN 2197-9863 ISSN 2197-9871 (electronic) ISBN 978-981-10-4776-3 ISBN 978-981-10-4777-0 (eBook)
4	Environmental Contaminants, Energy, Environment, and Sustainability, 2018, pp. 317-360, DOI: 10.1007/978-981-10-7332-8_14	Eco-Friendly Treatment Strategies for Wastewater Containing Dyes and Heavy Metals	M. P. Premkumar, K. V. Thiruvengadaravi, P. Senthil Kumar , J. Nandagopal, S. Sivanesan*	Springer Nature, Singapore Pte Ltd. ISBN: 978-981-10-7331-1
5	Waste Bioremediation - Energy, Environment, and Sustainability 2018, pp. 185-199,	Polycyclic Aromatic Hydrocarbons from Petroleum Industry: Effect on Human Health and	Sunita J. Varjani*, Rutu R. Joshi, P. Senthil Kumar , Vipin Kumar, Chiranjib	Springer Publications ISBN 978-981-10-7412-7 ISSN 2522-8366

		Their Biodegradation	Banerjee, R. Praveen Kumar	
6	Waste Bioremediation - Energy, Environment, and Sustainability 2018, pp. 313-342	Biomining of Natural Resources	P. Senthil Kumar* , P. R. Yaashikaa, G. Baskar	Springer Publications ISBN 978-981-10-7412-7 ISSN 2522-8366
7	Bioremediation - Applications for Environmental Protection and Management, pp. 29-52, 2018	Evaluation of Next-Generation Sequencing Technologies for Environmental Monitoring in Waste Water Abatement	P. Senthil Kumar* , S. Suganya, Sunita J. Varjani	Springer Publications ISBN 978-981-10-7412-7 ISSN 2522-8366
8	Bioremediation - Applications for Environmental Protection and Management, pp.127-164, 2018	Bioremediation of Heavy Metals	P. Senthil Kumar* , E. Gunasundari	Springer Publications ISBN 978-981-10-7412-7 ISSN 2522-8366
9	Bioremediation - Applications for Environmental Protection and Management, pp. 165-195, 2018	Pesticides Bioremediation	P. Senthil Kumar* , C. Femina Carolin, Sunita J. Varjani	Springer Publications ISBN 978-981-10-7412-7 ISSN 2522-8366
10	Bioremediation - Applications for Environmental Protection and Management, pp. 197-222, 2018	Biosorption Strategies In The Remediation Of Toxic Pollutants From Contaminated Water Bodies	P. Senthil Kumar* , K. Grace Pavithra	Springer Publications ISBN 978-981-10-7412-7 ISSN 2522-8366
11	Life-cycle Assessment of Wastewater Treatment, pp. 1-21, 2018	A biological approach for the removal of pharmaceutical pollutants from wastewater	P. Senthil Kumar* , A. Saravanan	CRC Press Taylors and Francis Group ISBN 9781138055179
12	Life-cycle Assessment of Wastewater Treatment, pp. 117-137,	Technologies for the treatment of heavy metal contaminated groundwater	P. Senthil Kumar* , A. Saravanan	CRC Press Taylors and Francis Group ISBN 9781138055179

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13	Life-cycle Assessment of Wastewater Treatment, pp. 221-242, 2018	Environmental and health effects due to usage of waste water	P. Senthil Kumar* , G. Janet Joshiba	CRC Press Taylors and Francis Group ISBN 9781138055179
14	Bioprocess Engineering for a Green Environment pp. 131-158 2018	Application of Biomaterials in Dye Wastewater Treatment	P. Senthil Kumar* , A. Saravanan	CRC Press Taylors and Francis Group ISBN 9781138035973 (hardback : alk. paper) ISBN 9781315232379 (ebook)
15	Sustainable Innovations in Recycled Fibres 2018, pp. 1-18, DOI: 10.1007/978-981-10-8515-4_1	Recycled Fibers	P. Senthil Kumar* , P. R. Yaashikaa	Springer Publications ISSN 2197-9863 ISSN 2197-9871 (electronic) ISBN 978-981-10-8514-7 ISBN 978-981-10-8515-4 (eBook)
16	Sustainable Innovations in Textile Chemical Processes, 2018, pp. 1-30, DOI: 10.1007/978-981-10-8491-1_1	Sustainable dyeing techniques	P. Senthil Kumar* , P. R. Yaashikaa	Springer Publications ISSN 2197-9863 ISSN 2197-9871 (electronic) ISBN 978-981-10-8490-4 ISBN 978-981-10-8491-1 (eBook)
17	Sustainable Innovations in Textile Chemical Processes, 2018, pp. 67-97, DOI: 10.1007/978-981-10-8491-1_3	Sustainability in waste water treatment in textile sector	P. Senthil Kumar* , A. Saravanan	Springer Publications ISSN 2197-9863 ISSN 2197-9871 (electronic) ISBN 978-981-10-8490-4 ISBN 978-981-10-8491-1 (eBook)
18	Sustainable Innovations in Textile Chemistry and Dyes 2018, pp. 53-74, DOI: 10.1007/978-981-10-8600-7_3	Green chemistry in textiles	P. Senthil Kumar* , E. Gunasundari	Springer Publications ISSN 2197-9863 ISSN 2197-9871 (electronic) ISBN 978-981-10-8599-4 ISBN 978-981-10-8600-7 (eBook)
19	Sustainable Innovations in Textiles &	Laser based apparel	P. Senthil Kumar* ,	Springer Publications

	Fashion 2018, pp. 1-20, 10.1007/978-981-10-8591-8_1	production	S. Suganya	Print ISBN 978-981-10-8590-1 Online ISBN 978-981-10-8591-8
20	Sustainable Innovations in Textiles & Fashion 2018, pp. 89-111, DOI: 10.1007/978-981-10-8591-8_3	New tools and techniques for measuring sustainability in clothing	P. Senthil Kumar* , P. R. Yaashikaa	Springer Publications Print ISBN 978-981-10-8590-1 Online ISBN 978-981-10-8591-8
21	Bioprocess Engineering for a Green Environment pp. 307-326, 2018	Characterization and Optimization Studies on Hydroxyapatite Bioceramic Powder from Waste Eggshells	A. Annam Renita, V. Sivasubramanian, P. Senthil Kumar	CRC Press Taylors and Francis Group ISBN 9781138035973 (hardback : alk. paper) ISBN 9781315232379 (ebook)
22	Nano Hybrids and Composites Vol. 20, pp. 65-80, 2018	Nanocomposites : Recent Trends and Engineering Applications	P. Senthil Kumar* , E. Gunasundari	Trans Tech Publications Ltd ISBN print: 978-3-0357-1256-8 ISSN: 2297-3400
23	Advanced Treatment Techniques for Industrial Wastewater, pp. 35-50, 2018 DOI: 10.4018/978-1-5225-5754-8	Soil bioremediation techniques	P. Senthil Kumar* , C. Femina Carolin	IGI Global Publishers ISBN13: 9781522557548 ISBN10: 1522557547 EISBN13: 9781522557555
24	Advanced Treatment Techniques for Industrial Wastewater, pp. 114-133, 2018 DOI: 10.4018/978-1-5225-5754-8	Water pollutants and their removal techniques	P. Senthil Kumar* , A. Saravanan	IGI Global Publishers ISBN13: 9781522557548 ISBN10: 1522557547 EISBN13: 9781522557555
25	Advanced Treatment Techniques for Industrial Wastewater, pp. 134-154, 2018 DOI: 10.4018/978-1-5225-5754-8	Agriculture Pollution	P. Senthil Kumar* , P. R. Yaashikaa	IGI Global Publishers ISBN13: 9781522557548 ISBN10: 1522557547 EISBN13: 9781522557555
26	Carbonaceous Composite Materials	Fullerenes and their	P. Senthil Kumar* , G. Janet Joshiba,	Materials Research Forum LLC, USA

	Vol. 42, pp. 93-110 2018 DOI: 10.21741/9781945291975-4	composites	Abishek Sankaranarayan	ISSN 2471-8890 (Print) ISSN 2471-8904 (Online) Print ISBN 978-1-945291-96-8 ePDF ISBN 978-1-945291-97-5
27	Carbonaceous Composite Materials Vol. 42, pp. 309-334 2018 DOI: 10.21741/9781945291975-11	Biochar and its composites	P. Senthil Kumar* , P. R. Yaashikaa, Mu. Naushad	Materials Research Forum LLC, USA ISSN 2471-8890 (Print) ISSN 2471-8904 (Online) Print ISBN 978-1-945291-96-8 ePDF ISBN 978-1-945291-97-5
28	Carbonaceous Composite Materials Vol. 42, pp. 33-56 2018 DOI: 10.21741 /9781945291975-2	Carbon based nanomaterials for energy storage	P. Senthil Kumar* , K. Grace Pavithra, S. Ramalingam	Materials Research Forum LLC, USA ISSN 2471-8890 (Print) ISSN 2471-8904 (Online) Print ISBN 978-1-945291-96-8 ePDF ISBN 978-1-945291-97-5
29	Carbonaceous Composite Materials Vol. 42, pp. 205-230 2018 DOI: 10.21741 /9781945291975-8	Environmental detoxification using carbonaceous composites	P. Senthil Kumar* , A. Saravanan	Materials Research Forum LLC, USA ISSN 2471-8890 (Print) ISSN 2471-8904 (Online) Print ISBN 978-1-945291-96-8 ePDF ISBN 978-1-945291-97-5
30	Laboratory Unit Operations and Experimental Methods in Chemical Engineering 2018	Evaluation of Solution Thermodynamic Properties of Mixed Ionic Liquids at Different Temperature (293.15 - 343.15) K.	R. Achsah, M. Danish John Paul, Dr.R.Anantharaj.	Edited by Prof.Omar M. Basha, Prof. Badie I. Morsi, ISBN: 978-953-51-6249-0. Publisher: InTech.

2017

S. No	Title of the Book	Title of the Book Chapter	Name of the Faculty and Co-Authors	Publisher Details
1	Textiles and Clothing Sustainability: Nanotextiles and Sustainability 2017, pp. 57-96 ISSN 2197-9863; ISBN 978-981-10-2187-9; DOI 10.1007/978-981-10-2188-6	Nano Chemicals and Effluent Treatment in Textile Industries	P. Senthil Kumar*, Abishek S Narayan, Abhishek Dutta	Springer Science + Business Media Singapore Pte Ltd
2	Sustainable Fibres and Textiles: A Complete Guide, pp.1-18 2017 ISBN: 978-0-08-102041-8	Introduction to sustainable fibres and textiles	P. Senthil Kumar*, S. Suganya	Elsevier Publications
3	Sustainable Fibres and Textiles: A Complete Guide, pp. 323-346 2017 ISBN: 978-0-08-102041-8	Sustainable Waste Water Treatments in Textile Sector	P. Senthil Kumar*, A. Saravanan	Elsevier Publications

2016

S. No	Title of the Book	Title of the Book Chapter	Name of the Faculty and Co-Authors	Publisher Details
1	Future Green Industry' - Chapter 24 pp. 452- 467, 2016 ISBN : 978-0-12-802980-0	Enzymes in Platform Chemical Biorefinery - Future Green Industry	T.S.Saai Anugraha, T.Swaminathan, D.Swaminathan, N.Meyyappan, R.Parthiban	Elsevier Publications
2	Platform Chemical Biorefinery and Agroindustrial Waste Management pp. 379-391, 2016 ISBN : 978-0-12-802980-0	Enzymes in Platform Chemical Biorefinery - Future Green Industry	K.P.Gopinath , A.R.Sankaranarayanan, L.Nivedhitha	Elsevier Publications