

Book Chapters

2022-2023

Chapter No	Name	Title of chapters	Author(s)	Name of the book, volume and year of publication	Publisher
1	Dr. P. Senthil Kumar	Sustainability assessment of third- generation biofuels: a life cycle perspective	B. Senthil Rathi, P. Senthil Kumar* , V. Vinoth Kumar	Biofuels and Bioenergy 2022, pp. 523-534, DOI: 10.1016/B978-0-323-85269-2.00002-2	Elsevier Publications ISBN: 978-0-323-85269-2
2		Removal of volatile organic carbon and heavy metals through microbial approach	P.Senthil Kumar* , P. Tsopbou Ngueagni	An Innovative Role of Biofiltration in Wastewater Treatment Plants (WWTPs), pp. 285-307, 2022 DOI: 10.1016/C2020-0-00091-5	Elsevier Publications ISBN: 9780128239469
3		The Future of Blockchain for Wastewater Treatment in the Textiles Industry	B. Senthil Rathi, P. Senthil Kumar*	Blockchain Technologies in the Textile and Fashion Industry pp. 109-123, 2022 https://doi.org/10.1007/978-981-	Springer Publications https://doi.org/10.1007/978-981-19-6569-2 ISSN 2197-9863 ISSN 2197-9871 (electronic) ISBN 978-981-19-6568-5 ISBN 978-981-19-

				19-6569-2_5	6569-2 (eBook)
4		A comprehensive integration of biorefinery concepts for the production of biofuels from lignocellulosic biomass	Kongkona Saikia, Abiram Karanam Rathankumar, Senthil Kumar Ponnusamy , Jenet George, Anna Shaji, Priyanka Saravanan, Upasana Mohanty, Vinoth Kumar Vaidyanathan	Biofuels and Bioenergy 2022, pp. 45-70, https://doi.org/10.1016/B978-0-323-90040-9.00027-8	Elsevier Publications ISBN: 978-0-323-85269-2
5		A perspective on the biorefinery approaches for bioenergy production in a circular bioeconomy process	Abiram Karanam Rathankumar, Kongkona Saikia, Senthil Kumar Ponnusamy , Jenet George, Priyanka Saravanan, Anna Shaji, Upasana Mohanty, Vinoth Kumar Vaidyanathan	Biofuels and Bioenergy 2022, pp. 33-44, https://doi.org/10.1016/B978-0-323-90040-9.00022-9	Elsevier Publications ISBN: 978-0-323-85269-2
6	Dr. R. Anantharaj	Experimental Investigation of Performance of Bio Diesel with Different Blends in Diesel Engine	P.Saranya, R.Anantharaj , D.Gnana Prakash, M.Vichitra	https://doi.org/10.1016/B978-0-323-90040-9.00026-6 .	