- Bioconversion of municipal solid waste into bio-based products: A review on valorisation and sustainable approach for circular bioeconomy Jul 2020 PR Yaashikaa, PS Kumar, A Saravanan, S Varjani, R Ramamurthy Science of The Total Environment 748, 141312
- Food preservation techniques and nanotechnology for increased shelf life of fruits, vegetables, beverages and spices: a review Oct 2020
 A Sridhar, M Ponnuchamy, PS Kumar, A Kapoor

Environmental Chemistry Letters, 1-21

 A Review on Effective Removal of Emerging Contaminants from Aquatic Systems: Current Trends and Scope for Further Research Oct 2020 BS Rathi, PS Kumar, PL Show Journal of Hazardous Materials, 124413

4. Enzyme Inhibition in Therapeutic Applications Aug 2020

A Saravanan, R Jayasree, TR Sundaraman, RV Hemavathy, S Jeevanantham, P Senthil Kumar, PR Yaashikaa

Enzyme Inhibition-Environmental and Biomedical Applications 1, 5-16

5. Analysis and removal of pharmaceutical residues from wastewater using membrane bioreactors: a review **Aug 2020**

CF Carolin, PS Kumar, GJ Joshiba, VV Kumar

Environmental Chemistry Letters, 1-15

6. Food industry waste biorefineries Nov 2019

PS Kumar, A Saravanan, R Jayasree, S Jeevanantham Refining Biomass Residues for Sustainable Energy and Bioproducts, 407-426

7. Sources and operations of waste biorefineries Nov 2019

PS Kumar, PR Yaashikaa

Refining Biomass Residues for Sustainable Energy and Bioproducts, 111-133

8. Solid waste biorefineries Nov 2019

A Saravanan, RV Hemavathy, TR Sundararaman, S Jeevanantham, P Senthil Kumar, PR YaashikaaRefining Biomass Residues for Sustainable Energy and Bioproducts, 3-17

9. Polymer Electrolyte Membranes Aug 2019

Femina Carolin C, P. Senthil Kumar

Thermo-Mechanical Properties of Polymer Composites 23, 82-89

10. Ionic Polymer Metal Composites Aug 2019

PR. Yaashikaa, P. Senthil Kumar

Thermo-Mechanical Properties of Polymer Composites 23, 64-74

11. Carbon Nanotube Composites Aug 2019

G. Janet Joshiba, P. Senthil Kumar

Thermo-Mechanical Properties of Polymer Composites 23, 75-81

12. A Study On The Consequence And Treatment Of Pharmaceutical Components Present In The Discarding Effluents To The Environment And Management Methods Using Biomass **2019**

N Magesh, AA Renita, **SP Kumar** RESEARCH JOURNAL OF PHARMACEUTICAL BIOLOGICAL AND CHEMICAL SCIENCES 10(1), 1079-1091

13. Characterization techniques for nanomaterials June 2019

P Senthil Kumar, KG Pavithra, M Naushad

Nanomaterials for Solar Cell Applications, 97-124

14. Production Process in the Pharmaceutical Industry 2019

Senthil Kumar Ponnusamy, FC Christopher

Global Supply Chains in the Pharmaceutical Industry, 158-179

15. Characteristics of Pharmaceutical Supply Chains 2019

Senthil Kumar Ponnusamy, A Saravanan

Global Supply Chains in the Pharmaceutical Industry, 181-205

16. Product Lifecycle in the Pharmaceutical Industry 2019

Senthil Kumar Ponnusamy, YP Ragini

Global Supply Chains in the Pharmaceutical Industry, 112-132

17. Investigating the prospects of bacterial biosurfactants for metal nanoparticle synthesis—a comprehensive review **Dec 2018**

Femina Carolin Christopher, **Senthil Kumar Ponnusamy**, Janet Joshiba Ganesan, Racchana Ramamurthy

IET nanobiotechnology 13 (3), 243-249

18. In vitro evaluation of biodegradable nHAP-Chitosan-Gelatin-based scaffold for tissue engineering application **Dec 2018**

Shankar Thariga, Rajakannu Subashini, Saravanan Pavithra, Prabakaran Meenachi, Prasanna Kumar, Pannerselvam Balashanmugam, **Ponnusamy Senthil**

IET nanobiotechnology 13 (3), 301-306

19. Application of Biomaterials in Dye Wastewater Treatment 2018

PS Kumar, A Saravanan

Bioprocess Engineering for a Green Environment, 131-158

20. Fabrication and characterization of a nanocomposite hydrogel for combined photocatalytic degradation of a mixture of malachite green and fast green dye Mar 2017

Gaurav Sharma, Zeid Abdullah ALOthman, Amit Kumar, Shweta Sharma, **Senthil Kumar Ponnusamy**, Mu Naushad

Nanotechnology for Environmental Engineering 2 (1), 4

- 21. Green synthesis of metal nanoparticles loaded ultrasonic-assisted Spirulina platensis using algal extract and their antimicrobial activity **May 2017** E Gunasundari, **PS Kumar**, FC Christopher, T Arumugam, A Saravanan IET Nanobiotechnology 11 (6), 754-758
- 22. Construction of active bio-nanocomposite by inseminated metal nanoparticles onto activated carbon: probing to antimicrobial activity **May 2017**

S Suganya, **PS Kumar**, A Saravanan

IET Nanobiotechnology 11 (6), 746-753

23. Synthesis of nano-sized chitosan blended polyvinyl alcohol for the removal of Eosin Yellow dye from aqueous solution Aug 2016
T Anitha, P Senthil Kumar, K Sathish Kumar Journal of Water Process Engineering 13, 127-136

24. Synthesis and characterization of metallic nanoparticles impregnated onto activated carbon using leaf extract of Mukia maderasapatna: Evaluation of antimicrobial activities **Jun 2016**

A Saravanan, **PS Kumar**, GK Devi, T Arumugam Microbial pathogenesis 97, 198-203

25. Novel adsorbent from agricultural waste (cashew NUT shell) for methylene blue dye removal: optimization by response surface methodology Jul 2015 R Subramaniam, SK Ponnusamy

Water Resources and Industry 11, 64-70

26. Synthesis, characterization and antibacterial activity of nano zero-valent iron impregnated cashew nut shell **2015**

D Prabu, R Parthiban, **PS Kumar**, SK Namasivayam Int J Pharm Pharm Sci 7 (1), 139-141