

## INTELLECTUAL PROPERTY RIGHTS (IPR) – 21 PATENTS

### National:

1. Design of Clamping Pulley [Patent No. 350143-001, **Granted**- 25/01/2023]: **INDIA**
2. Electrochemical Membrane Bioreactor [Patent No. 350145-001, **Granted**- 27/06/2023]: **INDIA**
3. Municipal Wastewater Treatment Device [Patent No. 350144-001, **Granted**- 17/02/2023]: **INDIA**
4. A Method of Treatment of Domestic Wastewater by Electrochemical Membrane Bioreactor and Generation of Bioelectricity [Patent No. 202311010019, **Granted**- 22/05/2024]: **INDIA**
5. Removal of Chromium from Industrial Wastewater Using Magnetic Nanoparticles [Patent No. 202311027431, **Granted**-21/02/2025]: **INDIA**
6. Thermal Catalytic Cracking Unit [Patent No. 388557-001, **Granted**- 02/02/2024]: **INDIA**
7. Microbial Fuel cell Set-up for Continuous Process [Patent No. 404283-001, **Granted**- 4/05/2024]: **INDIA**
8. An Electrospinning Set-up for Wound Patches [Patent No. 407680-001, **Granted**- 09/04/2024]: **INDIA**
9. An electrochemical device for measuring current and voltage in electrochemical membrane bioreactor [Patent No. 425141-001, **Granted** - 24/10/2024]: **INDIA**
10. Biofilm reactor for multiple substratum [Patent No. 432264-001, **Granted**- 09/12/2024]: **INDIA**
11. Adsorption Column for Dye Removal from Textile Wastewater [Patent No. 383691-001, **Case Is Under Hearing**]: **INDIA**
12. Biochemical reactor for production of biofuel [Patent No. 439728-001, **Filed** - 06/12/2024]: **INDIA**

### International:

1. Electrochemical Biosensor Device for Measuring Water Quality Parameter [Patent No.- 6275686, **Granted**- 26/04/2023]: **UNITED KINGDOM**
2. Integrated Anaerobic Sludge Reactor having Microbial Fuel Cell for Wastewater Treatment [Patent No.- 6310988, **Granted**- 25/09/2023]: **UNITED KINGDOM**
3. Semi-Continuous Biochemical Reactor for Biodiesel [Patent No.- 6310987, **Granted**- 25/09/2023]: **UNITED KINGDOM**
4. Artificial Intelligence Based Membrane Bioreactor for Treatment of Wastewater [Patent No.- AMCZ- 2312907656, **Granted**- 31/01/2024]: **AUSTRALIA**
5. Thermal Catalytic Cracking Unit for Biofuel Production [Patent No.- 6338387, **Granted**-19/01/2024]: **UNITED KINGDOM**
6. A Process for Treatment of Municipal Wastewater and Generation of Bioelectricity by Electrochemical Membrane Bioreactor [Patent No.- 2023/10692, **Granted**- 26/06/2024]: **SOUTH AFRICA**
7. An electrochemical device for measurement of current and voltage [Patent No.- 6387517, **Granted**- 06/09/2024]: **UNITED KINGDOM**
8. A Superparamagnetic Fe<sub>3</sub>O<sub>4</sub> Nanoparticles from *Hibiscus rosa-sinensis* Leaf Extract and Application Thereof [Patent No.- 202411040955, **Granted**-15/11/2024]: **GERMAN**
9. Electrochemical Process for Monitoring Membrane Fouling in Bioreactors for Wastewater Treatment [Patent No.- 202511004650, **Filed**- 05/02/2025]: **SOUTH AFRICA**

## JOURNALS

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9. Sushil Kumar, **Suantak Kamsonlian** and Neha Chomal (2014). Equilibrium Study on Reactive Extraction of Nicotinic Acid from Aqueous Solution. *International Journal of Chemical Engineering and Applications*, Vol. 5, pp. 6.
10. Shashi Bala Gautam, Siraj M. Alam and **Suantak Kamsonlian** (2015). Adsorption of As (III) on Iron Coated Quartz Sand: Influence of Temperature on the Equilibrium Isotherm, Thermodynamics and Isosteric Heat of Adsorption Analysis. *International Journal of Chemical Reactor Engineering*, Vol. 14 (1), pp. 289-298.
11. Kajal Gautam, Kanhaiya Kumar Singh, Sushil Kumar, **Suantak Kamsonlian** (2016). Bio-Degradation and De-Colorization of Reactive Orange ME2RL Dye by Mixed Bacterial Culture Isolated from Municipal Wastewater, *International Journal for Technological Research in Engineering*, Vol. 3 (8), pp. 2347-4718.

12. Kajal Gautam, Kanhaiya Kumar Singh, Sushil Kumar, **Suantak Kamsonlian** (2016). Bio-degradation and De-Colorization of Reactive Orange ME2RL Dye By Mixed Bacterial Culture Isolated From Municipal Wastewater, *International Journal for Technological Research In Engineering*, Vol. 3 (8), pp. 2347 – 4718.
13. Shashi Bala Gautam, Siraj Alam and **Suantak Kamsonlian** (2017). Adsorptive removal of As(III) from aqueous solution by raw coconut husk and iron impregnated coconut husk: kinetics and equilibrium analyses, *International Journal of Chemical Reactor Engineering*, Vol. 15(2). DOI 10.1515/ijcre-2016-0097
14. Shitanshu Pandey, Neha Chomal, **Suantak Kamsonlian**, and Sushil Kumar (2018). Theoretical and Experimental Studies on Extraction of Carboxylic Acids from Aqueous Solution Using Ionic Liquids, *International Journal of Chemical Engineering and Applications*, Vol. 9, pp. 1.
15. Shashi Bala Gautam, **Suantak Kamsonlian** Siraj Alam M. (2019). Equilibrium and thermodynamic aspects of As(III) with temperature onto raw coconut husk and iron impregnated coconut husk, *Research Journal of Chemistry and Environment*, Vol. 23 (4), pp. 57-69.
16. Kajal Gautam, Sushil Kumar, **Suantak Kamsonlian** (2019). Decolorization of Reactive Dye from Aqueous Solution using Electrocoagulation: Kinetics and Isothermal Study, *International Journal of Research in Physical Chemistry and Chemical Physics*, pp. 1-22. DOI: <https://doi.org/10.1515/zpch-2017-1044>
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21. Kajal Gautam, Rishi K. Verma, **Suantak Kamsonlian** and Sushil Kumar (2021). Decolorization of Reactive Black B from wastewater by electro-coagulation: optimization using multivariate RSM and ANN, *Chemical Product and Process Modeling*, Vol. 16(2), doi: <https://doi.org/10.1515/cppm-2020-0043>
22. Harish Kumar, Avneesh Kumar Gehlaut, Himanshu Gupta, Ankur Gaur, **Suantak Kamsonlian**, Devender Kumar (24 April 2021). Facile synthesis and application of aluminum oxide nanoparticle based biodegradable film, *Polymer Composites*, Wiley, DOI: 10.1002/pc.26102
23. Shabnam Dana, Jishnu Naskar, **Suantak Kamsonlian**, Amit Chattree (2021). Comparative study of ferromagnetic behaviour in bare and PMMA modified Manganese Ferrite (MnFe<sub>2</sub>O<sub>4</sub>) nanoparticles, *International Nano Letters*, Vol.12, pp. 79–89. <https://doi.org/10.1007/s40089-021-00353-x>

24. Saurabh Yadav, **Suantak Kamsonlian**, Shubham Pal (2022). Treatment of domestic wastewater by the application of electrochemical membrane bioreactor and generation of bioelectricity, *Applied Chemistry for Engineering*, Vol. 33(5), pp.1-6. <https://doi.org/10.14478/ace.2022.1088>
25. Saurabh Yadav, Suantak Kamsonlian (2022). A review of electrochemical methods for treatment of wastewater, *Materials Today: Proceedings*, Vol. 78, pp. 36–39. <https://doi.org/10.1016/j.matpr.2022.11.036>
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27. Kirti, **Suantak Kamsonlian**, Vishnu Agarwal (2022). Review on Synthesis of Plant-Mediated Green Iron Nanoparticles and Their Application for Decolorization of Dyes, *Materials Today: Proceedings*, Vol. 78, pp. 99–107. <https://doi.org/10.1016/j.matpr.2022.11.308>
28. Saurabh Yadav, **Suantak Kamsonlian**, Deepak Gola, Shubham Pal (2023). Reduction of Contaminants from Municipal Wastewater of STP Salori Using Electrochemical Membrane Bioreactor and Bioelectricity Generation, *Ecological Engineering and Environmental Technology*, 24(1), pp. 264–271. <https://doi.org/10.12912/27197050/154921>
29. Saurabh Yadav, Suantak Kamsonlian (2023) Progress on the development of Techniques to remove contaminants from wastewater: A review, *Applied Science and Engineering Progress*, Vol. 16 (3), pp.1-14 (Special Issue). <http://dx.doi.org/10.14416/j.asep.2023.02.001>
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4. **Suantak Kamsonlian**, Chandrajit Balomajumder and Shri Chand. *Removal of As (III) from solid waste (fly ash) by kitchen garden (KG) waste: Studies on parameter optimization and isotherm model*. The Twenty Sixth International Conference on Solid Waste Technology and Management on March 27-30, 2011 at Philadelphia, USA.
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11. Shitanshu Pandey, Neha Choma, **Suantak Kamsonlian** and Sushil Kumar. *Theoretical and experimental studies on extraction of carboxylic acids from aqueous solution using ionic liquids*, International Conference on Chemistry and Chemical Engineering (ICCCE-2017) held on 14-17 July 2017 at Barcelona, Spain.

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13. Anubhav Sarmah, AayushiShanker, Ashutosh Pandey, Sameer Srivastava, **Suantak Kamsonlian**. *Harvesting of Algae from Wastewater Using Electrocoagulation Process*, 14<sup>th</sup> Annual Session of Students Chemical Engineering Congress (SCHEMCON-2018) held at Institute of Chemical Technology (ITC), Mumbai during October 26-27, 2018.
14. Praveen Dubey, **Suantak Kamsonlian** and Ankur Gaur, *Ecotoxicological Impacts of Green Synthesized Iron Nanoparticles*, a two days TEQIP-III sponsored National Conference on "Industrial Application Of Nanoscience & Nanotechnology (IANN - 2019)" during November 15-16, 2019 organised by the Department of Chemical Engineering and Department of Physics, MNNIT Allahabad.
15. Shashi Bala Gautam, Siraj Alam and **Suantak Kamsonlian**, *Sorption of As (III) ion onto the surface of raw and modified coconut husk in fixed bed column* for oral presentation at CHEM-CONFLUX20, an International Conference on Energy and Environmental Technologies For Sustainable Development organized by Department of Chemical Engineering, MNNIT, Allahabad during February 14-16, 2020
16. Kajal Gautam, Sushil Kumar, **Suantak Kamsonlian**, *Optimization of Reactive Black B Decolourization by Electrocoagulation using RSM and ANN* for oral presentation at 'CHEM-CONFLUX20, an International Conference on Energy and Environmental Technologies For Sustainable Development organized by Department of Chemical Engineering, MNNIT, Allahabad during February 14-16, 2020.
17. Shashi Bala Gautam, Siraj Alam and **Suantak Kamsonlian**, *Sorption of As(III) ion onto surface of raw and modified coconut husk in fixed bed column* for oral presentation at CHEM-CONFLUX20, an International Conference on Energy and Environmental Technologies For Sustainable Development organized by Department of Chemical Engineering, MNNIT, Allahabad during February 14-16, 2020.
18. Kirti, **Suantak Kamsonlian** and Vishnu Agarwal. *Superparamagnetic Fe<sub>3</sub>O<sub>4</sub> nanoparticles: green production by Hibiscus rosa-sinensis leaf aqueous extract and its characterization* for poster presentation at BioSangam-2022, an International Conference on Emerging Trends in Biotechnology organized by Department of Biotechnology, MNNIT Allahabad during March 10-12, 2022.
19. Saurabh Yadav and **Suantak Kamsonlian**. *A Review of Electrochemical Methods for Treatment of Wastewater*, for oral presentation at CHEM-CONFLUX22, an International Conference on Technological Interventions for Sustainability, jointly organised by Chemical Engineering Department, Motilal Nehru National Institute of Technology and School of Chemical Engineering, Universiti Sains Malaysia which was held at Motilal Nehru National Institute of Technology Allahabad, Prayagraj during April 14-16, 2022.
20. Saurabh Yadav, **Suantak Kamsonlian** and Shubham Pal. *Treatment of Municipal Wastewater Using Electrochemical Membrane Bioreactor*, for oral presentation at CHEM-CONFLUX22, an International Conference on Technological Interventions for Sustainability, jointly organised by Chemical Engineering Department, Motilal Nehru National Institute of Technology and School of Chemical Engineering, Universiti

Sains Malaysia which was held at Motilal Nehru National Institute of Technology Allahabad, Prayagraj during April 14-16, 2022.

21. Kirti, **Suantak Kamsonlian** and Vishnu Agarwal. *Review on Synthesis of Plant-Mediated Green Iron Nanoparticles and their Application for Decolourisation of Dyes*, for oral presentation at CHEM-CONFLUX22, an International Conference on Technological Interventions for Sustainability, jointly organised by Chemical Engineering Department, Motilal Nehru National Institute of Technology and School of Chemical Engineering, Universiti Sains Malaysia which was held at Motilal Nehru National Institute of Technology Allahabad, Prayagraj during April 14-16, 2022.
22. Kirti, **Suantak Kamsonlian** and Vishnu Agarwal. *Synthesis of  $Fe_3O_4$  Nanoparticles from Hibiscus Rosa-Sinensis Leaf Aqueous Extract and Its Application in Dye Removal*, for oral presentation at CHEM-CONFLUX22, an International Conference on Technological Interventions for Sustainability, jointly organised by Chemical Engineering Department, Motilal Nehru National Institute of Technology and School of Chemical Engineering, Universiti Sains Malaysia which was held at Motilal Nehru National Institute of Technology Allahabad, Prayagraj during April 14-16, 2022.
23. Shabnam Dan, Amit Chattree, Jishnu Naskar, **Suantak Kamsonlian**. *Comparative study of ferromagnetic behaviour in bare and DDMAB-PMMA-PEG modified Manganese Ferrite ( $MnFe_2O_4$ ) nanoparticles* for oral presentation at CHEM-CONFLUX22, an International Conference on Technological Interventions for Sustainability, jointly organised by Chemical Engineering Department, Motilal Nehru National Institute of Technology and School of Chemical Engineering, Universiti Sains Malaysia which was held at Motilal Nehru National Institute of Technology Allahabad, Prayagraj during April 14-16, 2022.
24. Kajal Gautam, **Suantak Kamsonlian**, Yatindra Kumar, Sushil Kumar. *Electrochemical Treatment of Wastewater containing Reactive Blue-4 (RB4) Dye by using Airlift Electrocoagulation and Optimization of Multivariate Parameters* for oral presentation at CHEM-CONFLUX22, an International Conference on Technological Interventions for Sustainability, jointly organised by Chemical Engineering Department, Motilal Nehru National Institute of Technology and School of Chemical Engineering, Universiti Sains Malaysia which was held at Motilal Nehru National Institute of Technology Allahabad, Prayagraj during April 14-16, 2022.
25. Sajal Agarwal, Himanshu Gupta, Ankur Gaur, **Suantak Kamsonlian**. *Synthesis and Characterization of Carboxy-Methyl Cellulose Obtained from Different Bio Waste Material* for oral presentation at CHEM-CONFLUX22, an International Conference on Technological Interventions for Sustainability, jointly organised by Chemical Engineering Department, Motilal Nehru National Institute of Technology and School of Chemical Engineering, Universiti Sains Malaysia which was held at Motilal Nehru National Institute of Technology Allahabad, Prayagraj during April 14-16, 2022.
26. Kirti, **Suantak Kamsonlian** and Vishnu Agarwal. *Removal of MB and CV dyes from aqueous solutions by adsorption on iron oxide nanoparticles synthesized by Hibiscus Rosa-Sinensis leaf aqueous extract: Kinetics, equilibrium and thermodynamics*, CHEMCON 2022 and 75<sup>th</sup> Annual Session of Indian Institute of Chemical Engineers with a conference theme: Sustainability in Chemical Processes through Digitalization, Artificial Intelligence and Green Chemistry held at HBTU Kanpur during 27<sup>th</sup> to 30<sup>th</sup> December 2022.
27. Saurabh Yadav and **Suantak Kamsonlian**. *Removal of BOD, COD and TDS from municipal wastewater by application of electrochemical methods and generation of bioelectricity simultaneously*, CHEMCON 2022 and

75<sup>th</sup> Annual Session of Indian Institute of Chemical Engineers with a conference theme: Sustainability in Chemical Processes through Digitalization, Artificial Intelligence and Green Chemistry held at HBTU Kanpur during 27<sup>th</sup> to 30<sup>th</sup> December 2022.

28. Pankaj Kumar, **Suantak Kamsonlian** and Saurabh Yadav. *Application of an electrochemical membrane bioreactor to treat pharmaceuticals and personal care products from municipal wastewater for poster presentation at International Conference on Advancements in Diagnostic Technologies (ADT-2024)*, organised by Department of Biotechnology, MNNIT Allahabad during November 15-17, 2024.
29. Saurav Kandpal, Mod. Anas, **Suantak Kamsonlian** and Ashish N. Sawarkar. Hydrogen-rich syngas production through co-gasification of biomass and petcoke in a horizontal tubular furnace and modelling the intricate process through machine learning, International Conference on Health and Agriculture Biotechnology: Interdisciplinary Trends (HABIT-2025) organised by Department of Biotechnology, MNNIT Allahabad during February 28 – March 02, 2025.

### BOOK PUBLICATIONS

S. No.	Title	Editor's/ Author's Name	Publisher	Year of Publication
1.	Environmental Management in Hostel	Saurabh Yadav, Rohit Kumar Singh, <b>Suantak Kamsonlian</b> , Manoj Kumar Yadav, MS Karuna	1 <sup>st</sup> Edition, P.K Publishers and Distributors, New Delhi <i>ISBN 978-93-92239-30-4</i>	2022
2.	Thermal Catalytic Cracking of Jatropa Oil	Saurabh Yadav, <b>Suantak Kamsonlian</b> , Neeru Anand, Dinesh Kumar	1 <sup>st</sup> Edition, P.K Publishers and Distributors, New Delhi <i>ISBN 978-93-92239-48-9</i>	2022
3.	Treatment of Domestic Wastewater by Electrochemical Membrane Reactor	Shubham Pal, Anant Prakash Agarwal, <b>Suantak Kamsonlian</b> , Saurabh Yadav	1 <sup>st</sup> Edition, P.K Publishers and Distributors, New Delhi <i>ISBN 978-93-92239-81-6</i>	2023
4.	Emerging Trends in Chemical and Biochemical Engineering - Volume - 1	Mr. Saurabh Yadav <b>Dr. Suantak Kamsonlian</b> Dr. Karthick S Ms. Niharika Dutt	IIP (Iterative International Publishers) Selfpage Developers Pvt. Ltd., Paisley Circle, Novi, Michigan, USA. <i>ISBN 978-1-68576-456-2</i>	2023
5.	Emerging Trends in Chemical and Biochemical Engineering - Volume - 2	<b>Dr. Suantak Kamsonlian</b> Dr. Vishnu Agarwal Dr. Saurabh Yadav	IIP (Iterative International Publishers) Selfpage Developers Pvt. Ltd., Paisley Circle, Novi, Michigan, USA. <i>ISBN 978-1-68576-457-9</i>	2023
6.	Application of Plant Based Nano-particles for Dye Removal from Contaminated Wastewater	Dr. Kirti <b>Dr. Suantak Kamsonlian</b> Dr. Vishnu Agarwal	1 <sup>st</sup> Edition, P.K Publishers and Distributors, New Delhi <i>ISBN 978-81-19428-78-6</i>	2024
7.	Emerging Trends in Chemical and Biochemical Engineering-Volume - 3	<b>Dr. Suantak Kamsonlian</b> Dr. Arvind Kumar Gautam Dr. Sanjay Singh Mr. Ankit Kumar Dr. Saurabh Yadav	IIP (Iterative International Publishers) Selfpage Developers Pvt. Ltd., Paisley Circle, Novi, Michigan, USA. <i>ISBN 978-1-68576-503-3</i>	2024



8.	Current Trends in Engineering and Technology - Volume - 1	<b>Dr. Suantak Kamsonlian</b> Dr. Arvind Kumar Gautam Ms. Niharika Dutt Dr. Saurabh Yadav	P.K Publishers and Distributors, New Delhi <i>ISBN 978-81-19428-37-3</i>	2024
9.	Current Trends in Engineering and Technology - Volume - 2	Dr. Saurabh Yadav Dr. M.S. Karuna Er. Thejus Jacob <b>Dr. Suantak Kamsonlian</b>	P.K Publishers and Distributors, New Delhi <i>ISBN 978-93-49060-14-2</i>	2025

### **BOOK CHAPTER PUBLICATIONS**

S. No.	Title	Author's Name	Chapter Contribute/ Book Name	Page No.	Publisher	Year of Publication
1.	Biosorption of Cd (II) and As (III) Ions from Aqueous Solution by Tea Waste Biomass	<b>Suantak Kamsonlian</b> , Chandrajit Balomajumder, Shri Chand and S. Suresh	Chapter 7, Vol. 3 Book: <b><i>Current Perspectives of Environment and Climate Change</i></b>	83-91	Book Publisher (BP) International, UK <i>ISBN 978-93-89816-72-3</i>	2020
2.	Green synthesis of E1-Fe nanoparticle from eucalyptus globulus leaf extract and their usage for methylene blue removal	Praveen Dubey, Satish Kumar Singh, Kirti, Saurabh Yadav, <b>Suantak Kamsonlian</b> , Ankur Gaur	Chapter 4, Vol. 1 Book: <b><i>Industrial Application of Nanoscience and Nanotechnology</i></b>	19-30	Excel India Publishers, New Delhi <i>ISBN 9789389947267</i>	2020
3.	Recent trends in the application of nanoparticles in biopolymer films: A review	Himanshu Gupta, Sadhana Sachan, <b>Suantak Kamsonlian</b> , Devender Singh, Ankur Gaur	Chapter 7, Vol. 1 Book: <b><i>Industrial Application of Nanoscience and Nanotechnology</i></b>	63-74	Excel India Publishers, New Delhi <i>ISBN 9789389947267</i>	2020
4.	Nanoparticle: Synthesis, Characterization and Applications	Shabnam Dan, Amit Chattree, Ankur Gaur, <b>Suantak Kamsonlian</b>	Chapter 12, Vol. 1 Book: <b><i>Industrial Application of Nanoscience and Nanotechnology</i></b>	136-146	Excel India Publishers, New Delhi <i>ISBN 9789389947267</i>	2020
5.	In-situ polymerization for preparation of graphene-based polymer nanocomposites	Saurabh Yadav, Basudha Maurya, Kirti, Vishnu Agarwal, <b>Suantak Kamsonlian</b>	Chapter 14, Vol. 1 Book: <b><i>Industrial Application of Nanoscience and Nanotechnology</i></b>	147-162	Excel India Publishers, New Delhi <i>ISBN 9789389947267</i>	2020
6.	Treatment Of Contaminated Water: Membrane Separation and Biological Processes	<b>Suantak Kamsonlian</b> , Saurabh Yadav, Kailas S Wasewar, Ankur Gaur and Sushil Kumar	Chapter 22, Vol. 1 Book: <b><i>Contamination of Water Health Risk Assessment and Treatment Strategies</i></b>	339-350	Academic Press, Elsevier Publications, Netherlands <i>ISBN 9780128240588</i>	2021

7.	Catalytic Cracking of Jatropha Curcusa Non-Edible Oil to Hydrocarbons of Gasoline Fraction: Optimization Studies through Box-Behenken Method	Saurabh Yadav, Neeru Anand, Dinesh Kumar, <b>Suantak Kamsonlian</b>	Chapter 7  Book: <b>Utilization of Waste Biomass in Energy, Environment and Catalysis</b>	143-160	Taylor & Francis (CRC) Publications, Florida, USA  ISBN 9781003196358	2022
8.	Microbial Fuel Cell Modeling: A Comprehensive Approach for Sustainable Energy	Vivek Maurya, Saurabh Yadav, Karthick Senthilkumar, <b>Suantak Kamsonlian</b>	Chapter 1, Vol. 1  Book: <b>Emerging Trends in Chemical and Biochemical Engineering</b>	1-10	IIP (Iterative International Publishers) Selfypage Developers Pvt. Ltd., Paisley Circle, Novi, Michigan, USA. ISBN 978-1-68576-456-2	2023
9.	Production of Bio fuels: an Overview on Biodiesel Production from Waste Cooking Oil	Arvind K. Gautam, Nandlal Pingua, Avinash Chandra, <b>Suantak Kamsonlian</b>	Chapter 6, Vol. 1  Book: <b>Emerging Trends in Chemical and Biochemical Engineering</b>	62-75	IIP (Iterative International Publishers) Selfypage Developers Pvt. Ltd., Paisley Circle, Novi, Michigan, USA. ISBN 978-1-68576-456-2	2023
10.	Environmental Protection by Nanomaterial Based Electrochemical Biosensor for Detecting Chemical and Biochemical Agents	Shailendra Kumar Pandey, Sadhana Sachan, <b>Suantak Kamsonlian</b>	Chapter 5, Vol. 2  Book: <b>Emerging Trends in Chemical and Biochemical Engineering</b>	54-74	IIP (Iterative International Publishers) Selfypage Developers Pvt. Ltd., Paisley Circle, Novi, Michigan, USA. ISBN 978-1-68576-457-9	2023
11.	Electrochemical Approaches in Treatment of Waste Water	Pankaj Kumar, Saurabh Yadav, Hansnath Tiwari, Arvind Kumar Gautam, <b>Suantak Kamsonlian</b>	Chapter 1, Vol. 3  Book: <b>Emerging Trends in Chemical and Biochemical Engineering</b>	1-20	IIP (Iterative International Publishers) Selfypage Developers Pvt. Ltd., Paisley Circle, Novi, Michigan, USA. ISBN 978-1-68576-503-3	2024
12.	Innovative Water Splitting Methods for Sustainable Green Hydrogen	Pankaj Kumar, Saurabh Yadav, Girish Singh, <b>Suantak Kamsonlian</b> Arvind Kumar Gautam	Chapter 4, Vol. 1  Book: <b>Current Trends in Engineering and Technology</b>	50-66	P.K Publishers and Distributors, New Delhi ISBN 978-81-19428-37-3	2024