

Book/Book chapter Published
Department of Chemical Engineering
2025-26

1. Dwaipayan Sen, **Ankita Mazumder**, “Membrane Separation in Wastewater Purification and Biotechnology Application”, CRC Press, Taylor & Francis Group, Boca Raton, 2025. [ISBN No. 9781003541301]. DOI: <https://doi.org/10.1201/9781003541301>
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3. **Aditi Sinha**, Avijit Ghosh, **Sunil Baran Kuila**, Lipika Das, and Biswajit Mandal “Modified Metal Hydride and Organometallic Composites as a Hydrogen Storage Material for Portable Storage System: A Comprehensive Review” Conference paper, Recent Advances in Energy Transitions Towards Sustainable Development (CHEMCON 2023) in book series Springer, page 495–512, 8th July, 2025. [ISBN No. 978-981-96-3841-3].
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8. Monal Dutta, Prof. (Dr.) Sunil Baran Kuila, Integrating Safety, Health, and Environmental Management Practices for Chemical Sustainable Process Industry: A Comprehensive Review, Circular Economy in Chemical and Environmental Systems. Bharti Publications, New Delhi, 2026. 67. ISBN: 978-93-47303-34-0.
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1. Wendrila Biswas, Arunangshu Giri, Shamba Chatterjee, Samuel Biswas, **Tanushree Ghosh**, **Patent granted** on “Employee Wellbeing Monitoring Hr Device”, Patent No. 461545-001, 24.09.2025, (Ref : 209634), from Intellectual Property India (GOV. of India).
2. Wendrila Biswas, Arunangshu Giri, Satakshi Chatterjee, Shamba Chatterjee, Samuel Biswas, **Tanushree Ghosh**, **Patent granted** on “Recruitment Screening Device”, Patent No. 465529-001, 11.11.2025, (Ref : 213214), from Intellectual Property India (GOV. of India).
3. **Biswajit Mandal**, Swarnajit Bhattacharya, Mrinmoy Sen, Asim Halder, Asit Kumar Nayak, Amit Biswas, Subrata Mondal, Sunil Baran Kuila, Sutapa Roy, Lipika Das Samanta a **patent published** on “IOT-Enable Smart Water Health Monitoring and Control System using Lorawan Communicator Pisciculture”, Application No. 202431000061 A, Publication Date: 04/07/2025 (The Patent Office Journal No. 27/2025)
4. **Biswajit Mandal**, Saptarshi Mitra, Avijit Ghosh, Aniruddha Hore, Tapas Kumar Manna, A **Patent published** on “A portable hydrogen gas generator using spent aluminium to produce hydrogen gas on demand” Application No. 202431050150 A, Publication Date: 02/01/2026 (The Patent Office Journal No. 01/2026 Dated 02/01/2026).
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7. Sajal Sarkar, Dr. Vikash Kumar, Palaniandavar Venkateswaran, Debraj Roy, Sourish Dutta, Mehbub Rahaman Mondal, Piyali Maur, Rajib Kumar Dolai, Ishira Ganguly, **Aditi Sinha**, Amit Khan, Monojit Manna, **Patent Applied** on “IOT adaptive bottle for differently abled infant”, Application no: 496149-001, From Intellectual Property India (GOV. of India).

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