

CHAPTER 10

References

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List of Publication

Research Articles

- ❖ **Veer Singh** and Vishal Mishra (2021) Sustainable reduction of Cr (VI) and its elemental mapping on chitosan coated citrus limetta peels biomass in synthetic wastewater. Separation Science and Technology. <https://doi.org/10.1080/01496395.2021.1993921> (IF = 2.47).
- ❖ **Veer Singh** and Vishal Mishra (2021) Microbial Removal of Cr (VI) by a New Bacterial Strain Isolated from the Site Contaminated with Coal Mine Effluents. Journal of Environmental Chemical Engineering. 9:106279. <https://doi.org/10.1016/j.jece.2021.106279> (IF = 5.9).
- ❖ **Veer Singh**, Jyoti Singh and Vishal Mishra (2021) Sorption kinetics of an eco-friendly and sustainable Cr (VI) ion scavenger in a batch reactor, Journal of Environmental Chemical Engineering.9: 105125. <https://doi.org/10.1016/j.jece.2021.105125> (IF = 5.9).
- ❖ **Veer Singh**, Jyoti Singh and Vishal Mishra (2021) Development of a cost-effective, recyclable and viable metal ion doped adsorbent for simultaneous adsorption and reduction of toxic Cr (VI) ions, Journal of Environmental Chemical Engineering. 9: 105124. <https://doi.org/10.1016/j.jece.2021.105124> (IF = 5.9).
- ❖ **Veer Singh**, M.P. Singh and Vishal Mishra (2020) Bioremediation of toxic metal ions from coal washery effluent. Desalination and Water Treatment. 197: 300-318. <https://doi.org/10.5004/dwt.2020.25996> (IF = 1.23).

Review Articles

- ❖ **Veer Singh** and Vishal Mishra (2021) Environmental Impacts of Coronavirus Disease 2019 (COVID-19). *Bioresource Technology Reports*. 15: 100744. <https://doi.org/10.1016/j.biteb.2021.100744> (Cite Score 3.8).

- ❖ **Veer Singh** and Vishal Mishra (2021) Coronavirus Disease 2019 (COVID-19): Current Situation and Therapeutic Options, *Coronaviruses*. 2: 481-491. <https://doi.org/10.2174/2666796701999201005211854>.

Book Chapters

- ❖ **Singh V**, Tiwari R, Chaturvedi V.K, Singh N, Mishra V. (2021) Microbiological Aspects of Bioenergy Production: Recent Update and Future Directions. In: Srivastava M., Srivastava N., Singh R. (eds) Bioenergy Research: Revisiting Latest Development. Clean Energy Production Technologies. Springer, Singapore. https://doi.org/10.1007/978-981-33-4615-4_2

- ❖ **Singh V**, Yadav VK, Mishra V (2020) Nanotechnology: An Application in Biofuel Production. In: Srivastava M., Srivastava N., Mishra P., Gupta V. (eds) Nanomaterials in Biofuels Research. Clean Energy Production Technologies. Springer., Singapore. https://doi.org/10.1007/978-981-13-9333-4_6.

- ❖ **Singh V**, Yadav P, Mishra V (2020) Recent Advances on Classification, Properties, Synthesis, and Characterization of Nanomaterials. In: In: Srivastava N., Srivastava M., Mishra P., Gupta V.K. (eds). Green Synthesis of Nanomaterials for Bioenergy Applications. John Wiley & Sons.pp.83-97.

- ❖ **Singh V**, Singh N, Tabbasum N, Mishra V (2020) Microbial System: An Emerging Application in the Bioenergy Production. In: Srivastava N., Srivastava M., Mishra P., Gupta V.K. (eds). Microbial Strategies for Techno-economic Biofuel Production. Clean Energy Production Technologies. Springer, Singapore.pp.249-264. https://doi.org/10.1007/978-981-15-7190-9_9.

- ❖ Yadav VK, **Singh V**, Mishra V (2019) Alkaline Protease: A Tool to Manage Solid Waste and Its Utility in Detergent Industry. In: Tripathi V, Kumar P, Tripathi P, Kishore A, Kamle M. (eds) Microbial Genomics in Sustainable Agroecosystems. Springer, Singapore. https://doi.org/10.1007/978-981-32-9860-6_14

Patent

- ❖ Title: A Method of Preparing Synthetic Beads to Remove Heavy Metals from Waste Water.
- ❖ Inventor: Dr. Vishal Mishra and **Veer Singh**
- ❖ Application no. 201911022735.
- ❖ Date of Filing: June 07, 2019
- ❖ Status: Published (December 11, 2020)

Conferences/Workshops/Seminars

- ❖ Poster presented (*Title: Isotherm, kinetic and thermodynamic study of adsorption behaviour of chitosan doped citrus limetta peels for removal of hexavalent chromium from aqueous solution*) in International Conference “New Horizons in Biotechnology (November 19-25, 2019)” jointly organized by Biotech Research Society, India (BRSI) and CSIR-National Institute for Interdisciplinary Science and Technology (CSIR-NIIST).
- ❖ Poster presented (*Title: Adsorptive removal of hexavalent chromium using chitosan SiO₂ Nanocomposite: Isotherms, kinetics and thermodynamic study*) in International conference “Biotechnological Interventions for Societal Development (February 21-23, 2020)” organized by Department of Biotechnology, Motilal Nehru National Institute of Technology, Prayagraj (India).
- ❖ Short term course on Nanotechnology (23 - 29 January, 2015) at Department of Biotechnology, Motilal Nehru National Institute of Technology (MNNIT), Allahabad, India.
- ❖ Participated in “BIOKUMBH” A national conference Organized by Centre of Biotechnology, University of Allahabad, Prayagraj, India.
- ❖ Hands on Training in Molecular Biology and Genetic Engineering (20 - 27 May, 2016) at Centre of Biotechnology, University of Allahabad, Prayagraj - 211002, India
- ❖ Participated 2 days workshop on FPLC (AKTA) organized by GE Healthcare at School of Biochemical Engineering, IIT (BHU), Varanasi, India
- ❖ Participated in “ICBRC-2017” A International conference Organized by Institute of Medical Science, Banaras Hindu University, Varanasi, India

Research Work Under Media coverage

News	Date
https://hindi.news18.com/news/uttar-pradesh/varanasi-iit-bhu-scientists-found-success-research-bacteria-cleaned-contaminated-water-3759552.html - News 18	23.09.2021
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