Prof. Deepak Pathania

Education Qualification: D.Sc., Ph.D.

Research areas: Environmental Monitoring and Assessment, Removal of emerging contaminants from water/wastewater, Bioremediation, Green technologies for environmental restortatation, Ion-exchange and Adsorption systems.\

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Experiences:

Sr. No.	Post Held	Organization	Nature of Duties	Experience (In Years and Months)
1.	**Professor/Head/ Dean**	Central University of Jammu	Teaching, Administration and Research	4.3 Years
2.	**Professor/Head/ Dean**	Sardar Patel University, Mandi, Himachal Pradesh (on deputation)	Administration and Teaching	2.0 Years
3.	**Professor/ Head/Dean**	Shoolini University, Solan, H.P	Teaching, Research and Administration	8.0 Years
4.	**Head**	Eternal University, Baru Sahib, Distt. Sirmour, H.P	Teaching, Research and Administration	2.0 Years
5.	**Head**	RIET, Phagwara, Punjab	Teaching, Research and Administration	3.0 Years
6.	**Lecturer**	NIT, Jalandhar, Punjab	Teaching, Research	1.0 Years

Academic Profile

1. Dean Research Studies, Central University of Jammu, Jammu and Kashmir from 20th January, 2023 to till date.
2. Dean Academic Affairs, Sardar Patel University, Mandi, Himachal Pradesh, India-175001 from Nov, 2021 to 30 September, 2022.
3. Dean of Planning and Development, Sardar Patel University, Mandi, Himachal Pradesh, India-175001 from 7th April, 2022 to 30 September, 2022.
4. Dean of Physical Sciences, Sardar Patel University, Mandi, Himachal Pradesh, India-175001 from Dec., 2020 to 30 September, 2022.
5. Head, Department of Chemistry, Sardar Patel University, Mandi, Himachal Pradesh, India-175001 from 11th Nov., 2020 to 30 September 2022.
6. Chairman, Policy and Programme, Sardar Patel University, Mandi, Himachal Pradesh, India-175001 from 1st March, 2021 to 30 September 2022.
7. Dean, School of Life Sciences, Central University of Jammu, Jammu and Kashmir from June 2019 to 30th Sept., 2020.
8. Dean Students' Welfare, Central University of Jammu, Jammu and Kashmir from Oct., 2017 to Feb., 2020.
9. Head, Department of Environmental Sciences, Central University of Jammu, Jammu and Kashmir since Oct., 2017.
10. Head, Department of Public Policy and Public Administration, Central University of Jammu, Jammu and Kashmir since Sept., 2018.
11. Dean, Faculty of Basic Sciences, Shoolini University, Solan, Himachal Pradesh from July, 2015 to 11 Sept., 2017.
12. Head, School of Chemistry, Shoolini University, Solan, Himachal Pradesh from March, 2014 to 11 Sept., 2017.
13. Head, Department of Sciences and Humanities in Eternal University, Baru Sahib, Simour (HP) from August 2008 to August 2010.
14. Head, Department of Applied Sciences, Ramgarhia Institute of Engineering and Technology, Phagwara Punjab from 2003 to 2004..

Publications

1. K. Sharma, P. Tewatia, M. Kaur, Deepak Pathania, G. Rattan, S. Singal, A. Kaushik, Bioremediation of multifarious pollutants using laccase immobilized on magnetized and carbonyldiimidazole-functionalized cellulose nanofibers, Science of the Total Environment, 864, 161137, 2023.

2. G. Rattan, P. Tewatia, M. Kaur, Deepak Pathania, S. Singal, A Kaushik, Rice straw derived cellulose nanofibers modified with L-histidine for ultra-trace fluorometric assay of Cr(VI) and Hg(II) in aqueous medium, Journal of Cleaner Production, Published, 391, 136106, 2023.

3. Sachin Kumar, Dilbag Singh, Deepak Pathania, A. Awasthi and Kulvindwe Singh, Molybdenum disulphide-nitrogen doped reduced graphene oxide heterostructure based electrochemical sensing of epinephrine, Materials Chemistry and Physics, 297, 2023, 127446.

4. P. Tewatia, A. Kaushik, M.S Jyoti, D. Pathania, S. Singhal, A. Kaushik, Highly fluorescent composite of boron nitride quantum dots decorated on cellulose nanofibers for detection and removal of Hg (II) ions from waste water, International Journal of Biological Macromolecules, 234, 123728, 2023.

5. A. Kumari, A. Kumar, M. Thakur, D Pathania, A. Rani, A. Sharma, Murraya Koenigii Plant-Derived Biochar (BC) and Lanthanum Ferrite (BC/LaFeO3) Nano-Hybrid Structure for Efficient Ciprofloxacin Adsorption from Waste Water, Chemistry Africa, Published, May 2023.

6. M. Kumari, A. Kumar, S. Kumari, P. Kumar, D. Pathania, The development of carbohydrate polymer- and protein-based biomaterials and their role in environmental health and hygiene, International Journal of Biological Macromolecules, Published, 242, 124875, 2023.

7. G. Kaur, I. Tyagi, S. Dhar, S. Kumar, R. Kothari, Deepak Pathania, Spatio-temporal evaluation of surface water quality of Tawi watershed in the Himalayan region of Jammu

(J&K, UT) using algal pollution indices: a geospatial approach, Environmental Monitoring Assessments, 195:1402, 2023.

8. S. Dhar, P. Mehta, D. Kumar, Deepak Pathania, Multi parametrical analysis of Haptal Glacier, Lower Chenab basin, Jammu and Kashmir, India; A remote sensing approach, accepted, Journal of Earth System Science, 2023.

9. Arush Sharma, Ajay Kumar; Manita Kumari, Kajal Sharma and Deepak Pathania, Fabrication of high visible light active LaFeO3/Cl-g-C3N4/RGO heterojunction for solar assisted photo-degradation of Aceclofenac, Journal of Environmental Management, Communicated, 2022.

10. M Chandel, M Thakur, A Sharma, D Pathania, A Kumar, L Singh, Chlorophyll sensitized (BiO) 2CO3/CdWO4/rGO nano-hybrid assembly for solar assisted photo-degradation of chlorzoxazone, Chemosphere, 135472, 305, 2022.

11. Gagandeep Kour, Richa Kothari, Deepak Pathania, Sunil Dhar, V.V. Tyagi, Impact assessment on water quality in the polluted stretch using a cluster analysis during pre- and COVID-19 lockdown of Tawi river basin, Jammu, North India: an environment resiliency, Energy, Ecology and Environment, Springer, 7(5):461-472, 20223.

12. A Kumar, K Sharma, M Thakur, D Pathania, A Sharma, Fabrication of high visible light active LaFeO3/Cl-g-C3N4/RGO heterojunction for solar assisted photo-degradation of aceclofenac, Journal of Environmental Chemical Engineering, 22133437, 10, 2022.

13. Chetna Verma, Deepak Pathania, Poonam Negi, Piyush Kumar Gupta, Rama Shanker Vermad and Bhuvanesh Gupta, Designing of smart nanogels based on tragacanth gum for cisplatin delivery, Polymer International, Dec., 2022.

14. Gagandeep Kour, Rubia Kouser, Sunil Dhar, Deepak Pathania and Richa Kothari, Impact of Agricultural practices on riverine water quality of the Tawi River Basin, Western Himalayas, J&K, ENVIS Centre on Himalayan Ecology, Vol, 30, 145-151, 2022.

15. Deepak Pathania, Arush Sharma, Ajay Kumar, A.K. Srivastava, A.K. Saini, R. Saini, Divya Mittal, Sarita Kumari, Rishu Katwal, Lakhveer Singh, Green synthesis of biochar

encapsulated Ag/Cu-ZrO2 nanostructure using Melia azedarach plant as capping agent: Sorption of heavy metals and microbial deactivation, Journal of Environmental Technology, Communicated, 2021.

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19. Gagandeep Kour, Richa Kothari, Har Mohan Singh, Deepak Pathania, Sunil Dhar, Microbial leaching for valuable metals harvesting: Versatility for the bioeconomy, Environmental Sustainability, 2021, 2, 215-229.
20. S.S. Kumar, P. Ghosh, N. Kataria, D. Kumar, S Thakur, Deepak Pathania, V. Kumar, L. Singh, The role of conductive nanoparticles in anaerobic digestion: Mechanism, current status and future perspectives. Chemosphere, 220, 130601, 2021.
21. A. Sharma, M. Chandel, A. Sharma, M. Thakur, A. Kumar, Deepak Pathania, L. Thakur, Robust visible light active PANI/LaFeO3/CoFe2O4 ternary heterojunction for the photo-degradation and mineralization of pharmaceutical effluent: Clozapine, Journal of Environmental Chemical Engineering, 9, 5, 1061592021.
22. Richa Kothari, Sinha Sahab, Har Mohan Singh, Rajeev Pratap Singh, Bhaskar Singh, Deepak Pathania, Anita Singh, Shweta Yadav, Tanu Allen, Sohini Singh, Vineet Veer Tyagi, COVID-19 and waste management in Indian scenario: challenges and possible solutions, Environmental Science and Pollution Research, 28(38): 52702–5272, 2021.
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24. Chetna Verma, Deepak Pathania, Sadiya Anjum, Bhuvanesh Gupta, Smart Designing of Tragacanth Gum by Graft Functionalization for Advanced Materials, Macromolecular Materials and Engineering, 305(4), 1900762, 2020.
25. Deepak Pathania, Swadeep Sood , Adesh K. Saini Sarita Kumari , Shilpi Agarwal, Vinod Kumar Gupta, Studies on anticancerious and photocatalytic activity of carboxymethyl cellulose-cl-poly(lactic acid-co-itaconic acid)/ZnO-Ag nanocomposite, Arabian Journal of Chemistry, 13, 6966–6976, 2020.
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41. V.K. Gupta, S. Sood, S. Agarwal, A. Saini and Deepak Pathania, Antioxidant activity and controlled drug delivery potential of tragacanth gum-cl- poly (lactic acid-co-itaconic acid) hydrogel, International Journal of Biological Macromolecules, 107, 2534-2543, 2018.
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45. C. Verma, P. Negi, B. Gupta, D. Pathania, Preparation of pH-sensiitive hydrogels by graft polymerization of itaconic acid on Tragacanth gum, Polymer International, 68 (3), 344-350, 2018.
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53. Deepak Pathania, Shikha Sharma, Pardeep Singh, Removal of methylene blue by adsorption onto activated carbon developed from Ficus carica blast, Arbian Journal of Chemistry, 10, S1445-S1451, 2017.
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hydrogels for adsorptive removal of methylene blue dye, Polymer Degradation and Stability, 122, 152-165, 2015.

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Other information:

1. Court member (Nominated by President of India) of University of Hyderabad, Hyderabad from July 2018 to 2020.
2. Member, Technical Review Committee under the Hazardous and other Wastes (Management and Transboundary Movement), Ministry of Environment, Forest and Climate Change, Government of India from 18th April, 2022 to till date.
3. Figured among 2% Scientists of the world continuously for 4th years (2020, 2021, 2022 and 2023) as per survey Stanford University US.
4. Received distinguished alumni award from National Institute of Technology, Jalandhar, Punjab for dedications, contribution and achievements in the field of teaching, Innovations and Research on 4th October, 2021.
5. Awarded with Social award by Asian Polymer Association for the contribution on the uses of Science and Technology for society during its international conference on 24th Feb, 2023.