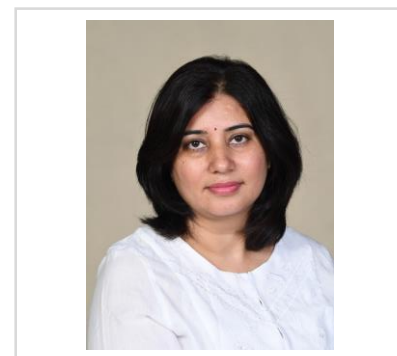


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BIOSKETCH:

Dr Anupama Singh is a Assitant Professor in Sustainability and CSR specialised in Environmental Management. She earns her doctorate from the Indian Institute of Technology Patna (IITP), India. She holds a Master's degree in Technology from the National Institute of Technology (NIT) Durgapur. She has published 01 patent, 08 ABDC/SCOPUS research articles, and presented 08 papers at national and international conferences held at Education University Hong Kong, IIT Bombay, IIT Guwahati, IIT Patna, and NIT Durgapur.

Dr Anupama Singh is also an ardent reviewer of journals & conferences. She also has two year and three months of teaching & research and nine months of industrial experience. Her research interest lies in Environmental Management: sustainable development environmental health management, Life Cycle Assessment (LCA), sustainable solutions for hazardous and non-hazardous waste management, and environmental policy implications.

EDUCATION: (TOP 3/4)

Year	Course	Institute	Grade/%
2021	Ph.D (Center Environment & Energy)	Indian Institute of Technology (IIT), Patna Thesis title: Integrated Sustainable Solid Waste Management to Reduce Environmental Health Hazards of young population in Patna	8.38 CPI
2012	M.Tech (Environmental Science & Technology)	National Institute of Technology (NIT), Durgapur	8.78 CGPA III Position
2009	B.Tech (Biotechnology)	Institute of Engineering and Technology, Bundelkhand University, Jhansi.	71.25% III Position

Certificate Courses/ FDP Programme

- **Singh A**, Assistant Professor of IMS Engineering College Ghaziabad participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Biowaste to Bioenergy: A future sustainable energy source at Motilal Nehru National institute of Technology Allahabad, Prayagraj, December 14-12, 2021
- **Singh A**, Assistant Professor of IMS Engineering College Ghaziabad participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Innovation in Civil Engineering Materials & Techniques for

Sustainable Development (ICEMTSD-202) at National Institute of Technology Silchar, Assam, November 18-22, 2021.

- **Singh A**, participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Novel Applications of Waste Technology Systems for Sustainable future at M S Ramaiah Institute of Technology Bangalore, August 02-06,2021.
- **Singh A**, participated & completed successfully AICTE Training and Learning (ATAL) Academy Online Elementary FDP on Plastics Product Manufacturing & Recycling Techniques at Central Institute of Petrochemicals Engineering and Technology: Centre for Skilling and Technical Support (CIPET: CSTS) Guwahati, July 19-23, 2021.
- **Singh A**, attended a GIAN course on Waste Management and Health Care. Global Initiative for Academic Networks (GIAN), Indian Institute of Technology Patna, Dec. 03-08, 2018.
- **Singh A**, attended a GIAN course on Fuzzy Techniques for Intelligent Decision Making. Global Initiative for Academic Networks (GIAN), Indian Institute of Technology Patna, Dec. 11-15, 2017.
- **Singh A**, attended a GIAN course on Flexible Statistical Modelling. Global Initiative for Academic Networks (GIAN), Mangalore University, Oct. 10-14, 2016.
- **Singh A** (Enrollment No.: EDU152015113161), Attended a course on Remote Sensing, Geographical Information System & Global Navigation Satellite System. Indian Institute of Remote Sensing, Indian Space Research Organization, Department of Space, Government of India, Aug. 10 - Nov. 27, 2015.

AREA OF INTEREST AND RESEARCH

- Waste Management
- Sustainability
- Landfill and Solid Waste Technology and Management
- Environment Management (EIA etc.)
- Life Cycle Assessment
- Entrepreneurship and Project Management
- Solid, Nuclear and Hazardous Waste Management
- Numerical Method & Modeling of Environmental systems
- Statistical Modelling

TEACHING COURSES AND NEW COURSES DEVELOPED

- ***New Course Developed (Birla Institute Management Technology, Greater Noida):*** Sustainability and Climate Action
- Environmental Science
- Constitution of India, Law and Engineering;
- Renewable Energy resources
- Electric Vehicle
- Project Management and Entrepreneurship
- Plant tissue culture Lab
- Down Stream Processing & bioseparation lab
- Bioreactor Design and Analysis

- **New Course Developed(IMS Ghaziabad):** Municipal Solid Waste and Biotechnology Advancements

EXPERIENCE

- Worked as **Post-Doctoral Fellow** at BIMTECH Knowledge Park 2, NCR, Plot Number 5, BIMTECH Rd, Greater Noida, Uttar Pradesh 201306 India from 10 February 23 to 30 Nov. 23.
- Worked as **Scientist-C** at FARE LABs Pvt. Ltd. L-17/13 DLF Phase-II MG Road Gurgaon Haryana -122002 India from 05 September 22 to 16 January 2023.
- Worked as **Assistant Professor** at IMS Engineering College NH-24, Adhyatmic Nagar Ghaziabad-201015 India from 27 August 21 to 04 May 22.
- Worked as **Project Engineer** in the DHI (India) Water & Environment Pvt. Ltd. 3rd Floor, NSIC – STP complex, NSIC Bhawan Okhla Industrial Estate New Delhi – 110020 India from 23 July12 to 30 Nov 12.
- Worked as a **lecturer** of Environmental Science at P.K. Institute of Technology and Management Mathura-Aligarh Road, Birhana (Raya), Mathura- 281206, India from 12 Sep.09 to 26 July 10.

ACADEMIC POSITIONS AND ASSIGNMENTS

- U75: Net Zero at Birla Institute Management Technology, Greater Noida
- AACSB standard 8 (team part) at Birla Institute Management Technology, Greater Noida
- Mentor of research projects of Btech final/third year students at IMS Engineering College, Ghaziabad
- NAAC and NBA team part at IMS Engineering College, Ghaziabad

RESEARCH PAPERS AND WORKING PAPERS

- **PATENT: Singh A**, Assistant Professor of IMS Engineering College Ghaziabad. Shot Peening of Coconut Inflorescence Fibre Reinforced Polymer Composite. Indian Patent 202241020120 filled April 04, 2022 and published April 15, 2022.
- **Singh A.**, Singh A., Sharma H. K., & Majumder S. (2023). Criteria Selection of Housing Loan Based on Dominance-Based Rough Set Theory: An Indian Case. *Journal of Risk and Financial Management*, 16(7), 309. DOI: 10.3390/jrfm16070309
- Majumder S., Singh A., **Singh A.**, Karpenko M., Sharma H. K., & Mukhopadhyay S. (2023). On the Analytical Study of the Service Quality of Indian Railways Under Soft-Computing Paradigm. *Transport* ISSN/eISSN:1648-4142 / 1648-3480.
- Singh V., Verma M., Singh N., Kamal R., Tiwari R., Chivate M. S., Kumar A., **Singh A.**, Rai S.N., Singh M. P., Vamanu E (2022). Hexavalent Chromium induced oxidative stress and the protective role of antioxidants against cellular toxicity. *Antioxidants*, 11(12), 2076-3921, DOI:10.3390/antiox11122375.
- **Singh A.**, (2022). Municipal Solid Waste Management Models: a review study to evaluate the conceptual framework for developing nations. *International Journal of Environment and Waste Management* ISSN: 1478-9868, 30(3), 303-322. DOI:10.1504/IJEWMM.2022.10034961.
- **Singh A.**, Raj P (2018). Sustainable Recycling Model for Municipal Solid Waste in Patna. *Energy & Environment* ISSN: 0958305X, 2018, 30(2), 212–234. DOI: 10.1177/0958305X18787335.

- **Singh A., Raj P** (2018). Segregation of Waste at Source Reduces the Environmental Hazards of Municipal Solid Waste in Patna, India. Archives of Environmental Protection ISSN: 2083-4810, 2018, 44(4), 96-110. DOI: 10.24425/aep.2018.122306.
- Raj P., **Singh A.** (2017). A Review of Municipal Solid Waste Management in Developing Countries. International Journal of Environment and Development ISSN: 0973-3574, 14(2), 234-256.
- **Singh A,** Mukhopadhyay D, Sarkar J P, Dutta S.(2014). Study on Effect of plastic on the biodegradation of Vegetable Solid Market Waste through Detail Leachate Analysis. International Journal of Solid Waste Technology and Management ISSN: 10881697, 40(3), 266-284. DOI: 10.5276/JSWTM.2014.266.

Conference Proceedings Publications

- **Singh A,** Raj P. Integrated Sustainable Solid Waste Management for Patna. Proceedings of the 3rd International Conference on Biological Waste as Resource (BWR 2018), The Education University of Hong Kong, Hong Kong, Dec. 17-19, 2018, 123.
- **Singh A,** Raj P. Sustainable Recycling Practices to Reduce Health Hazards of Municipal Solid Waste in Patna, India. Proceedings of 19th International Conference on Environment, Energy and Waste Management (ICEEWM 2017). World Academy of Science, Engineering and Technology (WASET) Mumbai, India, Feb. 7-8, 2017, 19 (2) Part V, 629-632. DAI: urn: dai:10.1999/1307-6892/57013. (ISI)
- **Singh A,** Raj P. Sustainable Recycling Model for Municipal Solid Waste in Patna. Compendium of papers, 5th International Conference on Advance in Energy Research (ICAER 2015). Mumbai, India: Department of Energy Science and Technology, Indian Institute of Technology Bombay, Dec. 15-17, 2015, 1161-1166.
- Kumar D, **Singh A,** Sarma A K. Energy and Exergy analysis of IC Engine for Karanja Biodiesel. Compendium of papers, 5th International Conference on Advance in Energy Research (ICAER 2015). Mumbai, India: Department of Energy Science and Technology, Indian Institute of Technology Bombay, Dec. 15-17, 2015, 1092-1098.
- **Singh A,** Mukhopadhyay D, Sarkar JP, Dutta S. Biodegradation of Vegetable Solid Market Waste in the presence of Plastic. Proceedings of International Conference on Environmentally Sustainable Urban Ecosystems (ENSURE 2012), Department of Civil Engineering, Indian Institute of Technology Guwahati, Guwahati 781039, Assam, India, Feb. 24-26, 2012, 183.

RESEARCH IN PROGRESS

- **Singh A.** An Integrated Sustainable Solid Waste Management Strategy Development and Selection Through Analytical Hierarchy Process for Smart City Promotion in Developing Countries. Journal of the Air & Waste Management Association ISSN / eISSN: 1438-4957 / 1611-8227 (Under review-SCI-Q1).
- **Singh A.** Indirectly Municipal Solid Waste Causes Environmental health hazards in the community of Developing Nation. International Journal of Environmental Health Research ISSN / eISSN: 0960-3123 / 1369-1619 (Under review-SCI-Q1).

BOOKS, CHAPTERS AND TECHNICAL REPORTS

- Pandey A., Srivastava S., **Singh A.**, Patle D.S. Waste Plastic to fuel properties, combustion Characteristics and emission profile. Edts. Gupta S K, Chaure K, Srivastava S and Pandey A. " Renewable energy". Springer Nature, 2022 (In Press).

EDITORIAL POSITIONS AND REVIEWS

- Environmental Science and Pollution Research– Springer
- Journal of Urban Management

CONFERENCE, SEMINAR PAPER AND PRESENTATIONS

- **Singh A**, Raj P. Integrated Sustainable Solid Waste Management for Patna. The 3rd International Conference on Biological Waste as Resource (BWR 2018), The Education University of Hong Kong, Hong Kong, Dec. 17-19, 2018.
- **Singh A**, Raj P. Sustainable Recycling Practices to Reduce Health Hazards of Municipal Solid Waste in Patna, India. Paper presentation in 19th International Conference on Environment, Energy and Waste Management (ICEEWM 2017). World Academy of Science, Engineering and Technology (WASET) Mumbai, India, Feb. 7-8, 2017.
- **Singh A**, Participated in a National Symposium 2017 on Environmental Degradation and Its Impact in Children and Women Health. Mahavir Cancer Sansthan & Research Center Patna, Bihar, Jan. 16, 2017.
- **Singh A**, Raj P. Sustainable Recycling Model for Municipal Solid Waste in Patna. Poster presentation at 5th International Conference on Advance in Energy Research (ICAER 2015). Mumbai, India: Department of Energy Science and Technology, Indian Institute of Technology Bombay, Dec. 15-17, 2015.
- **Singh A**, Participated in Workshop on Effective Pedagogy for waste management. Indian Institute of Technology, Patna, April 18, 2015.
- **Singh A**, Raj P. Municipal Solid Waste Management: A Review. Paper presentation competition on Issues in Solid Waste Management Workshop. Indian Institute of Technology, Patna, Oct. 11, 2014.
- **Singh A**, Mukhopadhyay D, Sarkar JP, Dutta S. Biodegradation of Vegetable Solid Market Waste in the presence of Plastic. International Conference on Environmentally Sustainable Urban Ecosystems (ENSURE 2012), Department of Civil Engineering, Indian Institute of Technology Guwahati, Guwahati 781039, Assam, India, Feb. 24–26, 2012.
- **Singh A**, Attended an International Conference on Sustainable Water Resources Management and Climate Change Adaptation. Department of Civil Engineering, National Institute of Technology Durgapur, Feb. 17-19, 2011.

INTERVIEWS AND MEDIA IMPACT

Special Invitee at Youtube channel **Streamed live on Jan 21, 2022** to discuss waste management role in sustainable packaging, **entitled** "InICANGOVEN Insights 44 - Fempreneur: Sustainable Packaging".

<https://www.youtube.com/watch?v=7nvbE30RpVA>

DOCTORAL DISSERTATIONS AND AWARDS

- Academic Research (PhD): Integrated Sustainable Solid Waste Management to Reduce Environmental Health Hazards of young population in Patna, [July, 2014-December 2019]

Resume of ...

- Project (M.Tech.): Effect of plastic on the biodegradation of Solid Waste. [May, 2010- Apr, 2012]
- Minor & Major Project (B.Tech.): AmBisome treatment in fungal infection a nano-approach.[Aug, 2008 – Dec, 2008 & Feb, 2009 - May, 2009]