## Full Name
Dr. Sushil Kumar Shukla

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## Mobile
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## Address
Department of Environmental Sciences, Central University of Jharkhand

**Orcid Id : https://orcid.org/0000-0001-9647-6035**

**Researcher Id: https://www.researchgate.net/profile/Sushil-Shukla-6**

**Google Scholar Id:**
**https://www.bing.com/search?FORM=U523DF&PC=U523&q=google+scholar+citation+sushil+kumar+shukla&showconv=1**

**IRINS:**


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|---|
| **15** |
| **Journal PUBLICATIONS** |
| **2** |
| **Sponsored PROJECTS/Consulatancy** |
| **18** |
| **Book and Book Chapters** |
| **DOCTORAL STUDENTS** |
| **Awarded: 00** |
| **Ongoing: 02** |

# Brief Profile

Dr. Sushil Kumar Shukla is an academician and researcher with more than 10 years of experience in teaching and research in the field of Environmental science and Technology with focus on Waste water treatment and management, Bioremediation, Environmental Impact Assessment, Phytomanagement of urban pollution, and Cleaner technology. Presently working as Assistant Professor in Department of Environmental Sciences, Central University of Jharkhand, Ranchi, Jharkhand. He earned his doctorate in environmental Science from Indian Institute of Technology, Banaras Hindu University, UP, India.Dr. Shukla was awarded with prestigious fellowship of UGC Research Fellowship for science meritorious student **(UGC-RFSMS Fellowship).** He has published various research papers and book chapters in the field of Wastewater treatment, Bioremediation, Biofuel etc.

## Present Position/Address

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|---|---|
| **2029 – Present:** | **Assistant Professor**<br>Department of Environmental Sciences<br>School of Natural Resource Management<br>Central University of Jharkhand, Ranchi, JHARKHAND<br>INDIA |

## Past Experiences

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|---|---|
| **2012 – 2019** | 1. Worked as an Assistant Professor (on Contract) in Department of Environmental Sciences, Central University of Jharkhand, Ranchi, India from 06/08/2012 to 09/10/2019. |
| **2019– 2022** | Worked as an Assistant Professor in Department of Transport Science and Technology from Oct. 2019 to 26th Sept. 2022 |

## Education Qualification

| | |
|---|---|
| **2011** | Ph.D (Environmental Sciences from Department of Chemical Engineering, IIT BHU, Varanasi, UP |
| | Thesis Title: Treatment of Anaerobically digested distillery effluent |
| | Supervisor: - Prof Pradeep Kumar Mishra, IIT BHU |
| **2004** | M.Sc (Environmental Sciences), Centre for Environmental Science, University of Allahabad, UP |
| **2000** | B.Sc (Botany and Chemistry) U.P College, Purvanchal University, UP |

## Additional Qualifications/Awards

- UGC-NET (Environmental Sciences)
- Diploma in Industrial Safety (AIIMS, Chennai)

## Research and Teaching Experience

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|---|---|---|
| RESEARCH FIELD : | Environmental Sciences (Industrial Waste Water Treatment, Bioremediation, Microbial engineering, Phytomanagement of pollution) | |
| POST PhD EXPERIENCE | **12 Years** | |
| TEACHING EXPERIENCE | **12 Years** | |
| SUPERVISING | PhD: **02** | MSc: **05** |
| SUPERVISED | PhD: **00** | MTech: **13**, MSc: **11** |

## Research Projects and Consultancy

1. Title: Assessment of the Impact of mining operation in nearby ecosystem of south Karanpura coalfields, Damodar River Basin, Jharkhand, Funded by CCL. Ranchi, Oct 2022 to July 2023, **48,73,600 Lakh** (Co-PI of the Project, Completed)
2. Title: Quantitative and qualitative assessment of minewater for the mines of CCL." Funded by CCL Ranchi, June 2022 to Nov 2024, **24, 84,800 Lakh** (Co- PI of the Project, Completed)

## Courses Taught

1. Post Graduate: MSc,
2. Under Graduate: Int UG-PG., B. Tech,
3. PhD : Course work

## Additional roles/ responsibility

1. BOS Member (Department of Environmental Sciences, Department of Civil Engineering, Department of Energy Engineering)
2. Deputy Dean academic affairs
3. Departmental Research Committee Member
4. Boys hostel warden
5. NAAC Implementation committee member
6. Department Placement officer

## Publications

### List of Selected Papers :

1. Ankit Abhilash Swain, Pallavi Sharma, Chetan Keswani, Tatiana Minkina3, Purushottam Tukkaraja, Venkataramana Gadhamshetty, Sanjeev Kumar, Kuldeep Bauddh, Narendra Kumar, **Sushil Kumar Shukla,** Manoj Kumar, Rama Shanker Dubey, Ming Hung Wong **(April 2024), "**The efficient applications of native flora for Phyto restoration of mine tailings: a pan-global survey", Environmental Science and Pollution Research **(Impact factor: 5.8)** https://doi.org/10.1007/s11356-024-33054-x
2. Akshay Kumar Singh ·Sushil Kumar Shukla ·Pardeep Singh ·Sughosh Madhav, Ashutosh Tripathi (Aug. 2023), "Assessment of air pollution tolerance and anticipated performance index of roadside trees in urban and semi-urban regions", Environmental Monitoring and Assessment, 195:1135, **(Impact factor: 3), (DOI-10.1007/s10661-023-11759-9).**
3. Akshay Kumar Singh, Manoj Kumar, Kuldeep Bauddh, Ajai Singh, Pardeep Singh, Sughosh Madhav, Sushil Kumar Shukla (June 2023), Environmental impacts of air pollution and its abatement by plant species: A comprehensive review, Environmental Science and Pollution Research, 30, 79587-79616, **(Impact factor: 5.8) (**https://doi.org/10.1007/s11356-023-28164-x).

4. A.Tripathi*, M. R. Ranjan , D. K.Verma, Y. Singh , **S. K. Shukla** , Vishnu D. Rajput , Tatiana Minkina, P. K. & M. C.Garg( **July 2022**), ANN-GA based biosorption of As (III) from water through chemo-tailored and iron impregnated fungal biofilter system, Scientific reports (Springer),Article no. 12414 **(2022)(Impact factor:4.996)** (10.1038/s41598-022-14802-w).

5. Ekta Singh, Rahul Mishra, Aman Kumar , **Sushil Kumar Shukla** , Shang-Lien Lo , Sunil Kumar, **(May 2022),** Circular economy-based environmental management using biochar: Driving towards sustainability, Process Safety and Environmental Protection, 163 (2022) 585-600. **(Impact factor:7.8 ).**https://doi.org/10.1016/j.psep.2022.05.056

6. **Shukla S K.,** Pandey S., Saha S., Singh H R., Mishra P K., Kumar S., and Jha S K., **(2021),** "Removal of crystal violet by Cu-chitosan nano-biocomposite particles using Box–Behnken design", Journal of Environmental Chemical Engineering(Elsevier)Volume 9, Issue 5, October, 105847, **(Impact factor:7.7)** (**https://doi.org/10.1016/j.jece.2021.105847).**

7. Saha S., **Shukla S.K**, Singh H.R., Pradhan K.K., & Jha S.K., **(2021)**, "Production and purification of bioflocculants from newly isolated bacterial species: a comparative decolourization study of cationic and anionic textile dyes" in Journal of Environmental Technology (Taylor & Francis), Vol. 42, Issue 23, PP-3663-3674, (**Impact factor: 2.8**), (https://doi.org/10.1080/09593330.2020.1737737).

8. Tripathi V K, Bharti B, Warwade P, **Shukla S K**, and Parhi P K, **(2020**), "Effectiveness of emitter flushing used for subsurface drip irrigation system", Journal of Water Engineering and Management (ISSN : 2582 6298), (2020)Vol. 1, No. 1, pp 79-87.

9. Kumar M., **Shukla S.K**.., Upadhyay S.N., & Mishra P.K., **(Aug 2020),** "Analysis of thermal degradation of banana

(*Musa balbisiana*) trunk biomass waste using iso-conversional models" in Journal Bioresource Technology (Elsevier), 310, 123393 **(Impact factor: 11.4)** (https://doi.org/10.1016/j.biortech.2020.123393)

10. Singh E., Kumar A., Khapre A., Saikia P., **Shukla S.K**& Kumar S., **(Feb 2020),** Efficient removal of arsenic using plastic waste char: Prevailing mechanism and sorption performance**" in** Journal of Water Process Engineering, 33, 101095 (**Impact Factor: 7**) **(**https://doi.org/10.1016/j.jwpe.2019.101095).

11. Gupta K. K., Singh N.L., Pandey A., **Shukla S.K.,** Upadhyay S.N., Mishra V., Srivastava P., lalla N.P., & Mishra P.K. **(2013)** "Effect of anatase/rutile $TiO_2$ phase composition on Arsenicadsorption" in, Journal of Dispersion Science and Technology, 34:1043–1052 (**Impcat Factor: 2.042**)**.**

## Technical Documents, Books and Book Chapters

### Book

1. **Shukla S K., Madhav** S., Kumar S & Mishra P K., **(2022)** "METALS IN WATER: Global Sources, Significance, and Treatment, **Elsevier**, **ISBN**978-0-323-95919-3.

### Book Chapters

**1.** Ekta Singh, Aman Kumar, Rahul Mishra, Akshay Kumar Singh Sughosh Madhav, Sushil Kumar Shukla and Sunil Kumar, (1 Jan 2023), "Measurement techniques for detection of metals in water resources" in Book "METALS IN WATER: Global Sources, Significance, and Treatment, **Elsevier**, Page no. 1-20, **ISBN**978-0-323-95919-3.

2. Rahul Mishra, Ekta Singh, Aman Kumar, Akshay Kumar Singh, Sughosh Madhav, Sushil Kumar Shukla and Sunil Kumar, Jan 2023, "Metal pollution in marine environment: sources and impact assessment" in Book "METALS IN WATER: Global Sources, Significance, and Treatment, **Elsevier**, Page no. 175-194, **ISBN**978-0-323-95919-3.

3. A. Kumar, V K Tripathi, P Sachan, A Rakshit, R M Singh, **S K Shukla**, R Pandey, A Vishwakarma, K C Panda, **(2022),** Source of ions in the River ecosystem" in Book Ecological Significance of River Ecosystem: Challenges and Management Strategies, **Elsevier**, UK, Page no, 187-202, ISBN: 978-0323-85045-2.

4. R Mishra, A Kumar, E Singh, S Kumar, V K Tripathi, S K Jha, **Sushil Kumar Shukla* ,(2022),** "Current status of available techniques for removal of heavy metal contamination in the river ecosystem" " in Book Ecological Significance of River Ecosystem: Challenges and Management Strategies, **Elsevier** , UK, Page no, 217-234 , ISBN: 978-0323-85045-2.

**5.** Swastika Saha, **Sushil K. Shukla**, Hare R. Singh, Bhaskar Singh, Santosh K. Jha, (2021), **"Bioactive compounds from microalgae" in Book** An Integration of Phytoremediation Processes in Wastewater Treatment, **Elsevier U.K.,** Page No. 337-358, **(ISBN: 978-0-12-823499-0).**

6. Kumar L., Paswan S K., Kumar P., Singh R K., Kumar R., **Shukla S K., (Jan 2021),** Nanotechnology-based filtration membranes for removal of pollutants from drinking water, in Book Sustainable Environmental Clean-up Green Remediation, **Elsevier U.K.,** Page No. 231-251, **(ISBN: 978-0-12-823828-8).**

7. Vishwakarma A., **Shukla S K.,** * Tripathi V K., Dwivedi C S., Jha S K., and Tripathi A, **(Feb 2021)** "Effects of Acid Mine Drainage on hydro-chemical properties of groundwater and possible remediation" in a book Groundwater Geochemistry: Pollution and Remediation Measures, **Willy UK., Page no. 232-245 (ISBN 9781119709695)**.

8. Paswan S K., Kumar P., Singh R K., **Shukla S K.,** andKumar L., **(Feb 2021) "**Spinel Ferrite Magnetic Nanoparticles-An Alternative for Wastewater treatment in Book POLLUTANTS AND WATER MANAGEMENT: RESOURCES, STRATEGIES AND SCARCITY, **Wiley, UK**, page no. 273-305.

9. Shukla S.K., Tripathi V.K., & Mishra P.K., (Jan., 2020) "Bioremediation of Distillery Effluent: Present Status and

Future Prospects" in Edited Book "Bioremediation of Industrial Wastes for Environmental Safety-Volume I" in Springer Publication, PP 77-98, **(ISBN 978-981-13-1891-7).**

10. Kumari R., **Shukla S.K**, Parmar K., Bordoloi N., Kumar A., and Saikia P., (Jan., 2020), "Wetlands Conservation and Restoration for Ecosystem Services and Halt Biodiversity Loss: An Indian Perspective" in Book Restoration of wetland ecosystem: A trajectory towards a sustainable environment, January, Springer Nature Singapore Pte. Ltd, Jan., 2020, Page. No 75-85 **(ISBN 978-981-13-7665-8)**

11. Rawat S.K., Tripathi V.K., Singh S. K., and **Shukla S.K.,** (2021) , "Mapping of Normalized Difference Dispersal Index for Groundwater Quality Study on Parameter-Based Index for Irrigation: Kanchipuram District, India" **Accepted** in Book "Field Practices for Wastewater Use in Agriculture: Future Trends and Use of Biological Systems" Apple Academic Press, Toronto- November 2019 (**ISBN-9781771889087**).

12. Dwivedi C.S., Hussain J., &**Shukla S.K** (2017), Change Detection Analysis Using Multi-Temporal Satellite Data A Case study from Seoul and Gyeonggi-Do (South Korea) in Edited Book India-Korea Relations: Forging a Multidimensional Partnership in the 21$^{st}$century, Manak Publications Pvt. Ltd. New Delhi (**ISBN 978-93-7831-443-8).**

13. Jisha C.K., Bauddh K., &**Shukla S.K** (2017), "Phytoremediation and Bioenergy Production Efficiency of Medicinal and Aromatic Plants" in Edited Book entiteled "Phytoremediation Potential of Bioenergy Plants" In Springer Publication, in 2017, page no. 287-304, **(ISBN-978-981-10-3084-0).**

**14.** Shukla S.K & Mishra P.K.,(2016), Bioremediation and Decolourization of Biomethanated Distillery Spent wash " Book Chapter in Edited Book entitled "Algae and Environmental Sustainability" in Springer Publication, in 2016, page no. 107-117 **(ISBN-978-81-322-2641-3).**

**15.** Shukla S.K & Tripathi A., (2015), Cost-benefit analysis of wastewater reuse in micro irrigation**":** Book Series:*Research Advances in Sustainable Micro Irrigation,* Apple Academic Press, Toronto-**2015**, page no. 317-336 **(ISBN-9781771881203).**

**16.** Shukla S.K Mishra P.K, & Srivastava K.K., (2009), "Decolourization of anaerobically digested distillery effluent by *Phanerochaete chrysosporium*"published in proceeding of ICSP-09, held at Dept. of chemical engineering, IT, BHU, Oct. 20-22, 2009 (**ISBN-978-81-8424-499-1).**

**17.** Shukla S.K Mishra P.K & Srivastava P., (2009), "Decolourization of anaerobically digested distillery effluent by *Aspergillus niger"* published in proceeding of the International conference on entitled "Issues and challenges in Energy conversion and management", held at Dept. of Mechanical Engineering, IT, BHU, during 18-20 December, 2009. **(ISBN-978-81-8487-078-7)**

1. Shukla S.K., **"**Sustainable management of molasses-based distillery effluent: A steps towards ethanol-gasoline blending goal in India" in International Conference on Energy and Environmental Technologies for sustainable Development (Chem-Conflux-20), Organized by Dept. of Chemical Engineering, MNNIT, Allahabad, Prayagraj, UP during February 14-16, 2020.
2. Shukla S.K., "Kinetics and Bio-decolourization studies of coagulated anaerobically digested distillery effluent by *Phanerocheate chrysosporium*" in International Conference on Environmental Challenges and Sustainability (IC-ECS-2018), Organized by School of Natural Resource Management, CUJ, Ranchi, India during October 31$^{st}$ to 2$^{nd}$ 2018.
3. Shukla S.K., "Environmental Education: Comparative Study in higher education of India and South Korea" in RASK 12$^{th}$ International Seminar on Strengthening Special strategic Partnership between India and South Korea: Prospects and Challenges, Organized by RASK in collaboration with Dept. of East Asian Studies, University of Delhi during 26-27$^{th}$ October, 2018.
4. Shukla S.K., "Sustainable Utilization of Treated Anaerobically Digested Distillery Effluent in Fertigation" got best paper award in National Conference on Emerging Environmental Challenges and Sustainable Development (EECSD-2018), Organized by Swami Shradanand College, University of Delhi & SED, India during March 21$^{st}$ to 23$^{rd}$ 2018.
5. Shukla S.K., "Water treatment Using Nanomaterials" in International Conference on Water & Waste water

Management & Modeling (ICWWMM-2018), Organized by Centre for water Engineering & Management, Central University of Jharkhand, Ranchi during 16-17th January 2018.

6. Shukla S. K., "Socio-Economic and Ecological importance of restoration of Varuna river in Varanasi city: Case Studies of Hangang river in Seoul, South Korea" in 11th RASK International Seminar, Organized by Jamia Millia Islamia University at CIT, New Delhi, During 13-14, October, 2017.
7. Shukla S. K., "Environmental Education: A Step towards Sustainable Development" in International conference on Sustainable Natural Resource Management: From Science to Practice (SNRMSP), organized by Dept. of Farm Engg., Institute of Agricultural Sciences, BHU, on 12-13 January 2017.
8. Shukla S. K., "Indo-Korean Relation; The perspective of water resource management in the project of smart city in India" got best paper award in 10THAll India RASK International Seminar on India-Korea Relations: Forging a Multidimensional Partnership in the 21st Century, In Collaboration with Center for East Asian Studies, School of International, JNU, India on 18-19th April 2016.
9. Shukla S. K., "Enhancement of agricultural productivity by sustainable utilization of treated biomethanated distillery spent wash" in National Conference on Water and Sustainable Development, organized by Center for water Engineering and management, CUJ, Ranchi and Ministry of Earth Sciences, Govt. of India during 8-9 January, 2016.
10. Shukla S.K., "Decolourization of anaerobically digested distillery effluent by *Phanerochaete chrysosporium* in Internal loop Airlift bioreactor" in International conferences on IC-LGO-15, organized by National Metallurgical laboratory, Jamshedpur during 20-22 January, 2015.
11. Shukla S.K., Challenges to climate Change and Natural Resource Use Efficiency in South Asia" in International Seminar on Evolving Indo-Korean Relations; Perspectives on South Asia, Organized by RASK in collaboration with East Asian Studies, at University of Delhi in Faculty of Social Sciences, New Delhi during 27-28th March, 2015.
12. Shukla S.K., "*Bio-diesel: Important fuel for sustainable energy resources*" in National Seminar on CCEPSA-14, organized by Sunbeam Women College, Varanasi on 30-31 August-2014.
13. Shukla S.K., "Enhancement of Agricultural Productivity by Utilization of Distillery Wastewater as in Microriirigation" in National Seminar on CCEPSA-14, organized by Sunbeam Women College, Varanasi on 30-31 August-2014.
14. Shukla S.K., "The Impact of Sustainable Development and urbanization on Environmental protection; in International Perspectives", in International seminar on "Deepending India-Korea Relationship: Towards a Sustainable Future" Organized by RASK in collaboration with Center for East Asian Studies, JNU, at Convention Center, JNU, Delhi on 21-22nd March, 2014.
15. Shukla S.K "Socio-Economic and Ecological Importance of Wetlands" in National Seminar on Encroachment of Water Bodies Challenges and Remedies, organized by SESA, Jhrakhnad, Ranchi on 08-09 March-2014.
16. Shukla S.K, Mishra P.K "Decolourization of Anaerobically Biodigested Distillery Effluent through Coagulation" in International Conferences on ET&SD Chalenges and Remedies-2014, held at BBAU, Lucknow, 21-23 Feb. 2014.
17. Shukla S.K, Mishra P.K "Optimization of the parameters for decolourization by *Aspergillus niger* of anaerobically biodigested distillery spent wash pretreated with Potash Alum' in International Congress of Environmental Research organized by JERAD, Maulana Azad College, Aurangabad, Maharastra during 19-21 December-2013.
18. Shukla S.K "Decentralizing the land acquisition process and increasing importance of environmental and social impacts assessment" present a paper in National Seminar on DGCPDR-2013, held at Central University of Jharkhand during 11-12th September 2013.
19. Shukla S.K, Singh R.K "Green Army: Cleaning Ganga Bank Through Participatory Methods" Present a Paper in the National Seminar Plains of The Ganga : Problems and Prospects, sponsored by UGC SAP DRS program in Dept. of Geography, BHU, 28-30 January-2013.
20. Shukla S.K "Fungal decolourization of distillery Effluent" present a poster in International congress on Recent Advances in Environmental Science and Technology (RAEST) - 09 organized by Dept. of Environmental Science and Technology, BHU, during 02-04 Nov., 2009
21. Shukla S.K, Mishra P.K, Srivastava K.K, & Srivastava P "Optimization of process parameters for biodegradation of anaerobically digested distillery effluent in Internal loop Airlift bioreactor" Present a poster in the National conference EPBE-09 held at School of Biochemical Engineering, IT, BHU during Oct. 09-10, 2009.
22. Shukla S.K "Optimization of medium and process parameters for the decolourization of biodigested distillery effluent" published in proceeding of National conference RAWM-09 held at dept. of chemical engineering, IT, BHU during Feb 20-21, 2009.
23. Shukla S.K, Mishra P.K, Srivastava K.K, & Srivastava P "Decolorization of distillery effluent by *Aspergillus niger"* Present a poster in the international conference on Water Crisis-Challenges & opportunities held at NEERI, Nagpur during 28-29, Feb-2008.

## Workshops and Trainings

1. Successfully completed 4-week Induction/orientation programme, organized by Teaching Learning center of Ramanujan college, University of Delhi sponsored by MHRD-PMMMNMTT during June 04 to July 01 2020.
2. AICTE Training and Learning (ATAL) Academy FDP on "3D Printing & Design", Organized by Central University of Jharkhand and AICTE Training and Learning (ATAL) Academy, Guwahati, February 03 to 07, 2020.
3. National Workshop on "RADIATION- A POWERFUL TOOL FOR RESEARCH IN PHYSICAL, CHEMICAL AND LIFE SCIENCES" organized by UGC-DAE Consortium for Scientific Research, Kolkata Centre & Centre for Applied Physics, Central University of Jharkhand, February 13-15, 2013 at Central University of Jharkhand.
4. Business Skill Development Programme organized by TBI, IT, BHU and supported by Ministry of MSME, Govt. of India, during 30 August 2011 to 29 September 2011.
5. Faculty Development Programme in Entrepreneurship sponsored by NSTEDB, Department of Science and Technology, Government of India, New Delhi Organized at TBI, Institute of Technology, BHU, Varanasi, 13-24 December, 2010.
6. Staff Development Program on "Energy conversion and management" organized at Dept. of mechanical Engineering, IT, BHU, during April 03-09, 2009, sponsored by AICTE.
7. National Workshop on Heterogeneous Catalysis and Kinetics, conducted by Department of Chemical engineering & Technology, IT, BHU on June 12 – 21, 2006.
8. Six-week summer training on "Waste water management in Hindalco Industries Ltd., Renukoot, Sonbhadra" from 17 August 2004 to 27 September 2004.

## Invited Talks

1 Delivered a Invited talk on Topic "Sustainable management of Vehicular Pollutants by Roadside Vegetation barriers in Urban Area" in the 7th Annual International virtual convention on "Sustainability in current scenario: Challenges & Solutions" (SCSCS-2020), Organized by Suresh Gyan Vihar University, Jaipur, Rajasthan during November 05-07, 2020.

2.Delivered a Invited talk on the topic Environmental Ethics: Role of religion and culture in Environmental conservation, Under DBT star college scheme Project, held on 18th February, 2020 at Nirmala college, Ranchi.

3. Presented a Invited talk on "Industrial waste water treatment techniques with special emphasis on molasses based distillery effluent" in National Conferences on Environmental Challenges and Solutions (NC_ECS-2015), held at National Metallurgical laboratory, Jamshedpur during November, 5-6, 2015.

## Awards and Honours

**International/ National/State.**

1. UGC Research Fellowship for Science Meritorious Students

## Any Other Information

**Membership of Professional Bodies/Societies etc.**

1. Senior member (No. 200964) in Asia-pacific Chemical, Biological & Environmental Engineering Society (APCBEES).
2. Life Member in Prof. H.S Srivastava Foundation for Science and Society, Lucknow, UP from 09 August 2013 to till.

1. **Convener** in two days International Webinar on"Integration of Transportation, Environment and Energy for Sustainable Urban Development", held on 25-26 Nov. 2021, Jointly organized by Dept, of Transport Science and Technology and Dept. of Environmental Science, CUJ, Ranchi.
2. **Convener** inOne day National Webinar on "Restoration of Ecosystem Services: Challenges & Opportunities" 5th June 2021 in association with Department of Environmental Science, CUJ, Ranchi.
3. Organizing secretary in the 14th RASK International Webinar held on 6th -07th November 2020, Jamia University
4. **Convener** in One day International Webinar on Gandhi and Gandhian thought and Philosophy, held on 30th September 2020, Organized by central University of Jharkhand, Ranchi
5. Contributed as Organizing Member in International Conference in Environmental Challenges and Sustainability (ICECS 2018) in Central University of Jharkhand, Brambe Campus during October 31st to November 2nd 2018.
6. Contributed as Organizing Member in 'National Conference on Water and Sustainable Development' in Central University of Jharkhand, Brambe Campus during January 8th to 9th, 2016.
7. Organized National Conference on "Environmental Challenges and Solutions (NC-ECS 2015)" as an Joint Secretary at CSIR- NML, Jamshedpur, Jharkhand, India during 5th to 6th November, 2015.
8. Organized World Ozone Day as an organizing Member on 18th September, 2013 at Central University of Jharkhand, Brambe, Ranchi by Centre for Environmental Sciences.
9. Organized World Water Day as an organizing Member on 21st and 22nd March, 2013 at Central University of Jharkhand, Brambe, Ranchi jointly by Centre for Environmental Sciences & Centre for Water Engineering and Management
10. Organized World Ozone Day as an organizing Member on 16th September, 2012 at Central University of Jharkhand, Brambe, Ranchi jointly by Centre for Environmental Sciences & Centre for Land Resource Management.