



## Dr. Devendra Singh Rathore

**M.Sc., NET, SET, Ph.D.**

Assistant Professor

Department of Environmental Sciences,  
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### Education

<b>Ph.D.</b>	Environmental Sciences, Mohanlal Sukhadia University, Udaipur (Raj.) Guide's Name: Prof. Nidhi Rai “Use of domestic and industrial wastewater for vermiculture and soil fertility” October 2007- January 2012
<b>M.Sc.</b>	Environmental Sciences, Mohanlal Sukhadia University, Udaipur (Raj.) 2007
<b>State Eligibility Test (SET)</b>	Environmental Sciences, Rajasthan Public Service Commission, Ajmer (Raj.) 2010
<b>National Eligibility Test (NET)</b>	Environmental Sciences, University Grant Commission, New Delhi 2012

### Work experience

<b>Assistant Professor (Stage I)</b>	Department of Environmental Sciences, Mohanlal Sukhadia University, Udaipur (Raj.) From February 22, 2012 to February 21, 2016
<b>Assistant Professor (Stage II)</b>	Department of Environmental Sciences, Mohanlal Sukhadia University, Udaipur (Raj.) From February 22, 2016 to till date

### Broad research area

- Toxicological studies of nanoparticles on earthworms.
- Studies of air pollutants in the atmosphere and their impact on the environment.
- Studies of radionuclides in groundwater and soil.

## Dr. Devendra Singh Rathore

### Proficiency and skills

- Gas Chromatography (GC)
- Atomic Absorption Spectroscopy (AAS)
- UV-Visible Spectroscopy
- Gel Electrophoresis
- Good hand in histological work
- Good hand in genotoxicological work

### Research funding procurement

Sr. No.	Funding Agency	Title of the Project	Role (PI/Co-PI)	Duration	Amount in INR	Status
01	SERB-Department of Science Technology, Govt of India	Magnetic Nanoparticles toxicity in earthworm Sp. Eisenia fetida: A comprehensive toxicity study zinc ferrite, cobalt ferrite and nickel ferrite nanoparticles	PI	07/01/2020 - 06/01/2023 (3 Years)	Rs. 34,83,120/-	Ongoing
02	RUSA, Ministry of Human Resource Development, Govt. of India	Environmental Issues of Urban and Rural Tribal Areas of Southern Rajasthan	Co-PI	17/06/2020 - onwards	Rs. 2,65,38,000/-	Ongoing

### Ph.D. student supervision:

Sr. No.	Name	Title of the Thesis	Institution	Status
01	Dr. Tanushree Kain	Assessment of Air Pollutants Emission from Selected Brick Kiln Clusters and to Study its Effects on Certain Locally Growing Plant Species	Mohanlal Sukhadia University, Udaipur, Rajasthan, India	Awarded

## Dr. Devendra Singh Rathore

02	Dr. Priyanka Dwivedi	Estimation of Green House Gas Emission with Special Reference to Carbon dioxide and Methane Gas at Certain Solid Waste Disposal Sites in Udaipur City (Rajasthan)	Mohanlal Sukhadia University, Udaipur, Rajasthan, India	Awarded
03	Dr. Pallavi Gothalkar	Assessment of Environmental Impact of Tourism in Selected Tourism Destination Areas in and around Udaipur City (Rajasthan)	Mohanlal Sukhadia University, Udaipur, Rajasthan, India	Awarded
04	Bhavya Singh	A comprehensive study on toxicity and bioaccumulation of copper hydroxide nanoparticles in earthworm sp. <i>Eisenia fetida</i> .	Mohanlal Sukhadia University, Udaipur, Rajasthan, India	Research ongoing
05	Ritesh Kalbande	Study of linkages of volatile organic compounds with ozone using observations and Artificial Neural Network based model for Pune region	Mohanlal Sukhadia University, Udaipur, Rajasthan, India	Research ongoing
06	Shahana Bano	Study of Seasonal Variability of Fine Particulate Matter (PM <sub>2.5</sub> ) and Source-Specific Human Health Risk Assessment in Ahmedabad City	Mohanlal Sukhadia University, Udaipur, Rajasthan, India	Research ongoing
07	Tejpal Menaria	Assessment of Natural Radionuclides in Groundwater and Soil of Chittorgarh District, Rajasthan	Mohanlal Sukhadia University, Udaipur, Rajasthan, India	Research ongoing
08	Chirmaie Nagda	A comprehensive study on toxicity and bioaccumulation of zinc ferrite nanoparticles in earthworm sp. <i>Eisenia fetida</i> .	Mohanlal Sukhadia University, Udaipur, Rajasthan, India	Research ongoing

## Dr. Devendra Singh Rathore

### M.Sc. dissertation supervision:

Sr. No.	Name	Title of the Thesis	Institution	Status
01	Priyanka	Ecotoxicological study of nickel ferrite nanoparticles on <i>Eisenia fetida</i>	School of Earth Sciences, Banasthali Vidyapith Rajasthan-304022 (India)	Awarded
02	Divyasti Chotia	Ecotoxicity of cobalt ferrite nanoparticle on <i>Eisenia fetida</i>	School of Earth Sciences, Banasthali Vidyapith Rajasthan-304022 (India)	Awarded

### Publications

#### Papers published in peer-reviewed journals

1. Manisha Khandelwal, Sunita Choudhary, Ashok Kumawat, Kamakhya Prakash Misra, **Devendra Singh Rathore**, Rama Kanwar Khangarot. 2023. *Asterarcys quadricellulare* algae-mediated copper oxide nanoparticles as a robust and recyclable catalyst for the degradation of noxious dyes from wastewater. *RSC advances*, 13(40), 28179-28196. <https://doi.org/10.1039/D3RA05254K>. ISSN: 2046-2069. **Impact factor: 4.036**
2. Tejpal Menaria, Shailesh Nath Tiwari, Akshay Kumar Patra, Inampudi Vijaya Saradhi, A Vinod Kumar, Rama Kanwar Khangarot, **Devendra Singh Rathore**. 2023. *Evaluation of uranium content and annual ingestion dose in the surface and ground water bodies of Chittorgarh, Rajasthan, India*. *Environ Monit Assess*, 195:1043. <https://doi.org/10.1007/s10661-023-11660-5>, **Electronic ISSN:1573-2959, Print ISSN: 0167-6369, Impact factor: 3.0**
3. Tejpal Menaria, **Devendra Singh Rathore**, Shailesh Nath Tiwari, Akshaya Kumar Patra, IV Saradhi, A Vinod Kumar. (2023). *Uranium distribution and its correlation with geochemical parameters in Chittorgarh district of Rajasthan, India*, *Radiation Protection and Environment*, **46**, 25-32. **Electronic ISSN:2250-0995, Print ISSN: 0972-0464**
4. Ritesh Kalbande, Bipin Kumar, Sujit Maji, Ravi Yadav, Kaustubh Atey, **Devendra Singh Rathore**, Gufran Beig. 2023. *Machine learning based quantification of VOC contribution in surface ozone prediction*. *Chemosphere*, 326, 138474. <https://doi.org/10.1016/j.chemosphere.2023.138474>, E ISSN: 1879-1298, Print ISSN: 0045-6535, **Impact Factor: 08.8**
5. Priyanka Dwivedi, Devendra Singh Rathore, Pallavi Gothalkar. 2022. Determination of gas outflow fluxes and study its transport mechanism by the application of flux chamber technique from

## Dr. Devendra Singh Rathore

the two landfill sites of semiarid region of Rajasthan. *EQA- International Journal of Environmental Quality*, **50**, 35-54. <https://doi.org/10.6092/issn.2281-4485/14953>, ISSN 2281-4485

6. Ritesh Kalbande, Ravi Yadav, Sujit Maji, **Devendra Singh Rathore**, Gufran Beig. 2022. Characteristics of VOCs and their contribution to O<sub>3</sub> and SOA formation across seasons over a metropolitan region in India. *Atmospheric Pollution Research*, pp 101515. <https://doi.org/10.1016/j.apr.2022.101515>, ISSN No. 1309-1042, **Impact Factor: 04.831**
7. Ravi Yadav, Pushpendra Vyas, Praveen Kumar, Lokesh Kumar Sahu, Umang Kumar Pandya, Nidhi Tripathi, Mansi Gupta, Vikram Singh, Pragnesh N Dave, **Devendra Singh Rathore**, Gufran Beig, SNA Jaaffrey. 2022. Particulate matter pollution in urban cities of India during unusually restricted anthropogenic activities. *Frontiers in Sustainable Cities*, **4** Article 792507. <https://doi.org/10.3389/frsc.2022.792507>, ISSN No. 2624-9634
8. Nagda Chirmaie, Kumar Kapil, Jhala Lalit Singh, Chouhan Chandrapal Singh and **Rathore Devendra Singh**. 2022. The aftermath of fireworks prohibition on Diwali festival due to COVID-19 situation: A case study of the air quality of metropolitan cities of India. *Res. J. Chem. Environ*, **26(4)**, 105-114. <https://doi.org/10.25303/2604rjce105114>, E-ISSN: 2278-4527, Print ISSN: 0972-0626
9. Bhavya Singh, Chirmaie Nagda, Kapil Kumar, Tanushree Kain, Lalit Singh Jhala, **Devendra Singh Rathore**. 2022. Covid-19 implicated ban on Diwali fireworks: A case study on the air quality of Rajasthan, India. *EQA- International Journal of Environmental Quality*, **47**, 22-30. <https://doi.org/10.6092/issn.2281-4485/13698>, ISSN 2281-4485
10. Ritesh Kalbande, Sujit Maji, Ravi Yadav, **Devendra Singh Rathore**, Gufran Beig. 2021. Investigating the impact of VOC sources during different seasons on the air quality of a metropolitan region in India. *AGU Fall Meeting Abstracts*, A15N-1858
11. **Devendra Singh Rathore**, Chirmaie Nagda, Bhavya Singh Shaktawat, Tanushree Kain, Chandrapal Singh Chouhan, Rakeshwar Purohit, Rama Kanwar Khangarot, Girima Nagda, Lalit Singh Jhala. 2021. COVID- 19 lockdown: a boon in boosting the air quality of major Indian metropolitan cities. *Aerobiologia*, **37(1)**, 79-103. <https://doi.org/10.1007/s10453-020-09673-5>, E ISSN1573-3025, Print ISSN 0393-5965, **Impact Factor: 02.376**
12. Tanushree Kain, Pallavi Gothalkar, Dhavan Saini, Lalit Singh Jhala, **Devendra Singh Rathore**. 2021. Estimation of air pollution tolerance index of certain plant species found in the vicinity of brick

## Dr. Devendra Singh Rathore

kiln industries in Udaipur, Rajasthan. *Journal of Phytological Research*, **34(1)**, 195-203. ISSN (Print) 0970-5767

13. Tejpal Menaria, SN Tiwari, **Devendra Singh Rathore**, IV Saradhi, A Vinod Kumar. 2021. Estimation of  $^{210}\text{Po}$ ,  $^{210}\text{Pb}$ ,  $^{40}\text{K}$  and physico-chemical parameters in drinking water at Rawatbhata and Begun Tehsil, Rajasthan. *Proceedings of the fifteenth biennial DAE-BRNS symposium on nuclear and radiochemistry*. Bhabha Atomic Research Centre, India.

14. Tejpal Menaria, SN Tiwari, **Devendra Singh Rathore**, IV Saradhi, A Vinod Kumar, P.K. Pujari, R.V. Pai. 2021. Study of Uranium, Radium 226 and 228 in Correlation with Physico-chemical Parameters in Drinking Water of South Eastern Region of Rajasthan. *Proceedings of the fifteenth biennial DAE-BRNS symposium on nuclear and radiochemistry*. Bhabha Atomic Research Centre, India.

15. Pallavi Saxena, Vishambhar Sangela, Shivendu Ranjan, Venkatesh Dutta, Nandita Dasgupta, Mahendra Phulwaria, **Devendra Singh Rathore**. 2020. Aquatic nanotoxicology: impact of carbon nanomaterials on algal flora. *Energy, Ecology and Environment*, **5(4)**, 240-252. <https://doi.org/10.1007/s40974-020-00151-9> E ISSN 2363-8338, Print ISSN 2363-7692, **Impact Factor: 04.4**

16. **Devendra Singh Rathore**, Tanushree Kain, Pallavi Gothalkar. 2018. A study of air pollution status by estimation of APTI of certain plant species around Pratapnagar circle in Udaipur city. *International Journal of Agriculture, Environment and Biotechnology*, **11(1)**,33-38. ISSN 0974-1712, E-ISSN 2230-732X

17. Pallavi Gothalkar, Nidhi Rai, **Devendra Singh Rathore**, Tanushree Kain. 2018. Tourism influx a potential noise pollution threat: A case study of Udaipur. *Indian Journal of Environmental Protection*, **38(9)**, 772-778. ISSN 0253-7141

18. Tejpal Menaria, SN Tiwari, B.K. Rana, P.M. Ravi, R.M. Tripathi, **Devendra Singh Rathore**, S.K. Sahoo, Vikrant Jain, A. Vinod Kumar. 2018. Study of spatial and temporal variation of natural uranium in drinking water around Rawatbhata, Rajasthan Site. *Proceedings of the twentieth national symposium on environment - challenges in energy resource management and climate change*, Bhabha Atomic Research Centre, India.

19. Sonika Jain, Nidhi Rai, **Devendra Singh Rathore**. 2015. Water quality assessment of certain marble mining areas of Udaipur district. *International Journal of Scientific Research and Reviews*, **4(3)**, 01 – 11. ISSN 2279-0543

## Dr. Devendra Singh Rathore

20. Priyanka Ashiya, Nidhi Rai, **Devendra Singh Rathore** and Sonika Jain. 2015. Influence of chemical fertilizers and organic fertilizers on pH and available nitrogen content of vermicompost with earthworm *Eisenia foetida*. *International Journal of Advanced Research*, **3(7)**, 1030-1036, ISSN 2320-5407
21. Nidhi Rai, Priyanka Ashiya, **Devendra Singh Rathore**. 2014. Comparative study of the effect of chemical fertilizers and organic fertilizers on *Eisenia foetida*. *International Journal of Innovative Research in Science, Engineering and Technology*, (2014), **3(5)**, 12991-12998. E ISSN 2319-8753, ISSN Print 2347-6710
22. **Devendra Singh Rathore**, Nidhi Rai and Priyanka Ashiya. 2014. Physico chemical analysis of water of Ayad river at Udaipur, Rajasthan (India). *International Journal of Innovative Research in Science, Engineering and Technology*, **3(4)**, 11660-11667, E ISSN 2319-8753, ISSN Print 2347-6710
23. Kavita Bansiwala, Rukhsana Kurawar, Nidhi Rai, **Devendra Singh Rathore**. 2011. Toxic effect of chloropyrifos on earthworm and soil fertility. *Electronic Journal of Environmental Sciences*, **4**, 99-104.
24. Kavita Bansiwala, Nidhi Rai, Rukhsana Kurawar, **Devendra Singh Rathore**. 2010. Morphological and behavioral changes in earthworms during malathion intoxication and effect on soil fertility. *Electronic Journal of Environmental Sciences*, **3**, 39-43.

### Chapter published in edited books

1. Bhavya Singh, Chirmaie Nagda, Kapil Kumar, Monika Rathore, Girima Nagda, Lalit Singh Jhala and **Devendra Singh Rathore**. 2023. Climate Change: An Overview of The Global Scenario. Climate Change and Sustainable Development, Scientific Publishers (India), 95-104, ISBN: 978-93-90749-29-4
2. Girima Nagda, Chirmaie Nagda, **Devendra Singh Rathore** and Bhavya Singh. 2023. Climate Change, Human Health and Sustainable Development: The Interlinked Trinity. Climate Change and Sustainable Development, Scientific Publishers (India), 177-192, ISBN: 978-93-90749-29-4
3. Pallavi Gothalkar, Priyanka Dwivedi, Monika Rathore and **Devendra Singh Rathore**. 2023. The fate of micro (nano) plastics on the environment. Green technology for the sustainable development, Blue Rose Publishers, 157-170. <https://doi.org/10.5281/zenodo.7746062>, ISBN: 978-93-5741-534-7

## Dr. Devendra Singh Rathore

- Priyanka Dwivedi, Pallavi Gothalkar, Monika Rathore and Devendra Singh Rathore. 2023. *The solid waste management at landfills: an integrated approach for abatement of pollution*. Green technology for the sustainable development, Blue Rose Publishers, 180-197. <https://doi.org/10.5281/zenodo.7746102>, ISBN: 978-93-5741-534-7
- Tanushree Kain, **Devendra Singh Rathore**. 2022. Air pollutants emission from the brick kiln industry, its impact, and remedial measures. *Current and Future Perspectives of Environmental Pollution and its Remediation*, Thanuj International Publishers, Tamilnadu, 67-78. <https://doi.org/10.5281/zenodo.7324279>, ISBN: 978-93-94638-19-8
- Kapil Kumar, Bhavya Singh, Rama Kanwar Khangarot, **Devendra Singh Rathore**. 2022. Nanotechnology and its application on the environment. *Current and Future Perspectives of Environmental Pollution and its Remediation*, Thanuj International Publishers, Tamilnadu, 67-78. <https://doi.org/10.5281/zenodo.7326074>, ISBN: 978-93-94638-19-8
- Bhavya Singh, Kapil Kumar, Rama Kanwar Khangarot, **Devendra Singh Rathore**. 2022. Copper- based NPs: Sources, fate and bioavailability in agroecosystem. *Current and Future Perspectives of Environmental Pollution and its Remediation*, Thanuj International Publishers, Tamilnadu, 196- 210. <https://doi.org/10.5281/zenodo.7326237>, ISBN: 978-93-94638-19-8
- Rama Kanwar Khangarot, Manisha Khandelwal, **Devendra Singh Rathore**. 2021. Deforestation: Causes and effects on environment. *Handbook of Green Concept*, Sankalp Publication, Chhattisgarh, 103-114
- Devendra Singh Rathore**, Tanushree Kain, Anil Panchal, Mayank Bhavsar. 2017. Environmental impact of urbanization on Ayad river of Udaipur City, Rajasthan, India. *Urbanization and Environment: Issues and Challenges*. Himanshu Publication, Rajasthan, 23-25.

### Orientation/ Refresher course/ Training programme/ Workshop

#### Orientation Programme

Sr. No.	Subject/Theme	Date	Duration	Mode	Institute	Grade
01		January 12 – February 07, 2015	21 Days	Offline	Academic Staff College, University of Rajasthan, Jaipur (Raj.)	A



## Dr. Devendra Singh Rathore

### Refresher Course

Sr. No.	Subject/Theme	Date	Duration	Mode	Institute	Grade
01	Environmental Studies	September 29 – October 19, 2015	14 Days	Offline	Academic Staff College, MDS University, Ajmer (Raj.)	A
02	Environmental Science (Inter-Disciplinary)	January, 12 – 25, 2021	14 Days	Online	UGC, HRDC, Goa University, Goa	A
03	Environmental Science (Inter-Disciplinary)	December 28, 2022- January 11, 2023	14 Days	Online	Teaching Learning Centre, Ramanujan College, University of Delhi, New Delhi	A <sup>+</sup>

### Faculty Development Programme

Sr. No.	Subject/Theme	Date	Duration	Mode	Institute
01	Entrepreneurship Development	December, 1 – December 13, 2014	14 Days	Offline	Entrepreneurship Development Cell, Mohanlal Sukhadia University, Udaipur (Raj.)
02	Managing Online Classes and Co-creating MOOCS: 2.0	May, 18 – June, 03, 2020	14 Days	Online	Teaching Learning Centre, Ramanujan College, University of Delhi, New Delhi

### Workshop

Sr. No.	Subject/Theme	Date	Duration	Mode	Institute
01	Disaster Management Due to Earthquake	February, 18 – 19,	02 Days	Offline	Centre for Management Studies, HCM Rajasthan State Institute of

## Dr. Devendra Singh Rathore

		2013			Public Administration Campus, Udaipur
02	Entrepreneurship Awareness Camp on Environmental Sciences	January, 28 – 30, 2008	03 Days	Offline	Department of Environmental Sciences, Mohanlal Sukhadia University, Udaipur, Rajasthan
03	Sustainable Ground Water Management	August, 20 -21, 2007	02 Days	Offline	College of Technology and Engineering, Maharana Pratap University of Agriculture and Technology, Udaipur, Rajasthan
04	Faunal and Floral Diversity of Rajasthan: Importance and Conservation	December, 27- 28, 2006	02 Days	Offline	Society for Research in Ecology and Environment, Bharatpur, Rajasthan
05	Potential and Applications of Geospatial Technology	March, 19, 2016	01 Days	Offline	Department of Geography, Faculty of Earth Science, Mohanlal Sukhadia University, Udaipur, Raj.
06	Training of Trainers on Road Safety	September, 07 – 09, 2017	03 Days	Offline	Center for Road Safety, Sardar Patel University of Police Security and Criminal Justice, Jodhpur, Raj.
07	Brainstorming Session for Strengthening Interdisciplinary and Inter-institutional Research in the State of Rajasthan	January, 12 -13, 2018	02 Days	Offline	Faculty of Earth Science, Mohanlal Sukhadia University, Udaipur, Raj.
08	मानव पर्यावरण सम्बन्ध: परस्पर पूरक	June, 28 - 30, 2021	03 Days	Online	Human Values Education, All India Council for Technical Education (AICTE), New Delhi

### Training Programme

Sr. No.	Subject/Theme	Date	Duration	Mode	Institute
01	Research Methodologies	April, 21 – 27, 2012	07 Days	Offline	Mohanlal Sukhadia University, Udaipur, Rajasthan

### Invited talks

1. Delivered online invited lecture on “Research and Environment” at the Directorate of Research, University of Kota, Kota, Rajasthan on October 09, 2020.
2. Delivered invited lecture in a One-day Seminar organized by Jai Narain Vyas University, Jodhpur on September 22, 2019.
3. Delivered invited lecture on “Information about NCC” in Department of Biotechnology, Vigyan Bhawan, Block- B, Mohanlal Sukhadia University, Udaipur, Rajasthan on August 03, 2015.

### Conferences participation

#### International conferences

1. Presented a paper on “Acute toxicity of magnetite nanoparticles on *Eisenia fetida*” in 1<sup>st</sup> International Conference on Recent Advances in Chemical Sciences 2023 (ICRACS-2023) organized by Department of Chemistry, Mohanlal Sukhadia University, Udaipur, Rajasthan, India on January 16-18, 2023.
2. Presented a paper on “Vermicomposting- An ecofriendly and sustainable approach in agriculture” in IPSA International Conference on Globalization & Sustainable Development: Quest for a New Paradigm jointly organized by IPSA- Research Committee 35 (RC 35): Technology and Development Indian Society of Gandhian studies (ISGS), Department of Lifelong Learning & Centre for Gandhian Studies, University of Rajasthan, Jaipur (India), April 14 -16, 2017.
3. Presented a paper on “A histopathological study on ecotoxicity of domestic effluent on the tegument of *Eisenia foetida*” in the International Conference on Environmental Impact on Biodiversity, Sustainability and Quality of Life organized by UPE study of Ecology and Economy held at University of Rajasthan, Jaipur (India), February 16 -18, 2017.
4. Presented paper on “Analysis of physico-chemical characteristics of water of Ayad river at Udaipur, Rajasthan” in 19<sup>th</sup> ISCB international conference on “Recent advances and current

## Dr. Devendra Singh Rathore

trends in chemical and biological sciences” organized by Department of Chemistry, MLS University, Udaipur on March 2 - 5, 2013.

5. Presented paper on “Sustainable management of drinking water service delivery for urban poor communities of Kathmandu valley” in international conference on “Sustainable Management Practices: Development & Dimensions” held organized by Faculty of Management Studies, MLS University, Udaipur on March 30 -31, 2012.
6. Presented paper in international conference on “Folk and Herbal Medicine” organized by Department of Botany, MLS University, Udaipur during November 25 - 27, 2010.
7. Presented paper in international seminar on “Local Infrastructure Development: Challenges and Opportunities” organized by DEAN & DoLIDAR, Kathmandu, Nepal at December 25, 2008.
8. Presented paper on “Physico chemical and plankton biodiversity of two different lakes of Udaipur” in Taal- 2007, 12<sup>th</sup> International World Lake Conference held at Jaipur, India during October 28 – November 02, 2007.
9. Presented paper in International Convention on Environmental Crisis held at Mount Abu, India on September 21 - 24, 2007.

### National Conferences

1. Presented a paper entitled “Ecotoxicity of metal- and carbon- based nanoparticles on earthworms” in national conference on Current Scenario in Science and Technology: Facing the Challenges and Creating Opportunities in 7<sup>th</sup> Rajasthan Science Congress, held at University College of Science, Mohanlal Sukhadia University, Udaipur, Raj. during October, 14 – 16, 2019.
2. Presented a paper in national seminar on Arid Environment and Sustainable Development organized by Research Representative 2019-20, Jai Narain Vyas University, Jodhpur on September, 22, 2019.
3. Presented a paper entitled “Effect of arid environment on desert ecosystem of Jaisalmer, Rajasthan (India)” in National Seminar on Desert Ecosystem and Resource Management: Opportunities & Challenges” organized by Department of Geography, Jai Narain Vyas University, Jodhpur during March, 02 - 03, 2019.
4. Presented a paper entitled “Role of earthworm in soil restoration and enhancing soil fertility” in National Conference on Recent Advances in Environmental Quality Improvement and Conservation of Biodiversity organized by Aishwarya College of Education Sansthan, Udaipur, Raj. During December, 22 -23, 2017.

## **Dr. Devendra Singh Rathore**

5. Presented a paper entitled “Eutrophication status of water body of Udaipur city” in National Seminar on “Impacts of Climate Change on Agriculture Development” organized by Department of Geography, Jai Narain Vyas University, Jodhpur during October 27 - 28, 2017.
6. Presented a paper in National Seminar on Science & Technology for Sustainable Development of State of Rajasthan in 5<sup>th</sup> Rajasthan Science Congress, held at Amity University, Jaipur, Raj. during October, 13 – 15, 2017.
7. Presented oral paper entitled “Assessment of noise pollution during Navratri (Garba) festival: A case study of Udaipur city” in the national Seminar on Climate Change and Sustainable Development organized by Indira Gandhi Centre for Human Ecology, Environmental and Population Studies, University of Rajasthan, Jaipur on June 5, 2017 (World Environment Day).
8. Participated in the ICSSR sponsored National Conference on Environmental Pollution: Consequences and Control in association with Indian Association for Air Pollution Control (Delhi Chapter) organized by the Department of Environmental Science, The IIS University, Jaipur during October 07 – 08, 2016.
9. Participated in the One-day Seminar on “Challenges in Teaching and Research in Chemistry and Biology” sponsored by Indian Society of Chemists and Biologists (ISCB) Local Chapter (West Zone): Udaipur on July 23, 2016.
10. Presented paper on “Assessment of soil quality in the mining pockets of Udaipur district” in National conference on “Modern trends in chemical sciences” organized by Department of Chemistry, MLS University, Udaipur on January 30 - 31, 2016.
11. Presented paper on “Assessment of fluoride concentration in ground water of Dungarpur district, Rajasthan, India” in the national conference on “Harmony with nature in context of Environmental Issues and Challenges of the 21<sup>st</sup> Century (HARMONY-2014)” organized by Department of Environmental Sciences, Faculty of Earth Sciences, MLS University, Udaipur on November 28 – 30, 2014.
12. Presented paper on “Role of tribals in biodiversity conservation” in national seminar on “Environmental issues and social concerns” organized by Department of Social Sciences, University of Kota, Kota on March 21 – 22, 2014.
13. Presented paper on “Trends in aquatic ecosystem management in semi-arid regions of Rajasthan” in national seminar on “Sustainable water resources management in arid and semi-arid regions” organized by Department of Geography, Jai Narain Vyas University, Jodhpur on January 4 – 5, 2014.

## Dr. Devendra Singh Rathore

14. Presented paper on “Water quality assessment of industrial effluent of Madri Industrial Area of Udaipur” in national conference on “Climate change and environment” organized by Vidhya Bhawan Rural Institute, Udaipur on December 23 – 24, 2013.
15. Presented a paper in national seminar on New Frontiers of Science and Technology and Innovation for Development in Rajasthan in 1<sup>st</sup> Rajasthan Science Congress held at Tagore International School, Jaipur, Rajasthan during May 11 -13, 2013.
16. Participated in national conference on “Climate change and biodiversity” organized by Department of Environmental Sciences, MLS University, Udaipur on March 17-18, 2013.
17. Presented a paper on “Assessment of water quality of Rajsamand lake, Rajsamand, Rajasthan” in national conference on “Environmental Degradation: Issues and Challenges” organized by Department of Geography, B.S.R. Govt. Arts College, Alwar (Raj.) on December, 9 - 10, 2011.
18. Participated in one day national seminar on “Water pollution through waste disposal: Management strategies” organized by College of Technology and Engineering, Maharana Pratap University of Agriculture and Technology, Udaipur on March 01, 2008.

### Conference organized

Sr. No.	Role	Theme	Status	Date	Institute
01	Organizing Secretary	Rajasthan Science Congress- 2019	National	October 14 - 16, 2019	University College of Science, Mohanlal Sukhadia University, Udaipur (Raj.)
02	Organizing Secretary	Harmony with nature in context of Environmental Issues and Challenges of the 21 <sup>st</sup> Century (HARMONY-2014)	National	November 28 – 30, 2014	Department of Environmental Sciences, Faculty of Earth Sciences, Mohanlal Sukhadia University, Udaipur (Raj.)
03	Member Organizing Committee	Re-Defining the Strategic Role of Libraries in Indian Culture and Modern Society	National	July 30-31, 2015	Library, Mohanlal Sukhadia University, Udaipur (Raj.)
04	Member Organizing Committee	Role of libraries in Indian culture and management	National	April 11 - 12, 2014	University College of Science, Mohanlal Sukhadia University, Udaipur (Raj.)
05	Regional Nodal Officer	National Environment Youth Parliament, Rajasthan Region Event	National	January 28, 2022	Mohanlal Sukhadia University, Udaipur (Raj.)



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- President, Sukhadia University Teachers Association (SUTA), Mohanlal Sukhadia University, Udaipur (Raj.).
- State Secretary, Akhil Rajasthan Vishvavidhyalaya Shikshak Mahasangh, Rajasthan.

Date:

Place:

**Dr. Devendra Singh Rathore**