

Curriculum Vitae



Dr. Bharat Lal Sahu
Assistant Professor

School: Physical Sciences

Department: Chemistry

Phone: +91 9907970312,

+91 7869004949

E-mail: bharatred007@gmail.com

Qualifications:

Examination/ Degree	Board/University	Subject	Year	Division/ Percent
Ph.D.	Pt. Ravishankar Shukla University, Raipur	Chemistry	2017	-
UGC-NET	UGC, New Delhi	Environmental Science	2017	-
CG-SET	CG Vyapam	Chemistry	2020	-
M.Phil.	Pt. Ravishankar Shukla University, Raipur	Chemistry	2009	I, 78.1 %
M.Sc.	Pt. Ravishankar Shukla University, Raipur	Chemistry	2008	I, 83.08%
B.Sc.	Pt. Ravishankar Shukla University, Raipur	Chemistry, Botany, Zoology	2006	I, 76.17%
12 th	CG Board of Secondary Education, Raipur	Physics, Chemistry, Biology	2002	I, 73.8%
10 th	MP Board of Secondary Education, Bhopal	Science, Mathematics	2000	I, 75.4%

Area of Interest/Specialization:

- ♣ Environmental Chemistry
- ♣ Green Chemistry
- ♣ Rare Earth Elements
- ♣ Heavy Metals
- ♣ Phytochemicals

Research Experiences:

- One year, during M.Phil. (Chemistry), worked on Air Pollution (Environmental Science) and submitted dissertation under the supervision of Prof. Shamsh Pervez

to Pt. Ravishankar Shukla University, Raipur (C.G.) entitled “*Study of human exposure to fine particulates among inhabitants of road traffic environment*”.

- Four years, during PhD and submitted thesis under the supervision of Prof. K. S. Patel to Pt. Ravishankar Shukla University, Raipur (C.G.) entitled “*Studies on Distribution and Sources of Arsenic and Fluoride in Geological, Plant and Biological Samples of Ambagarh-Chowki Block*”.

Experiences: Assistant Professor @ GGV, w.e.f. 03. 10. 2019

- One year teaching experience in Govt. Naveen College, Deobhog, Dist. Raipur (C.G.) in the session of 2009 - 2010 as an Asst. Professor (Contract).
- One year teaching experience in Govt. Digvijay College, Rajnandgaon (C.G.) in the session of 2010 - 2011 as an Asst. Professor (Contract).
- One year teaching experience in School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur (C.G.) in the session of 2011-2012 as an Asst. Professor (Contract).
- One year teaching experience in School of Studies in Chemistry, Pt. Ravishankar Shukla University, Raipur (C.G.) in the session of 2012-2013 as an Asst. Professor (Contract).
- One year teaching experience in School of Studies in Environmental Science, Pt. Ravishankar Shukla University, Raipur (C.G.) in the session of 2013-2014 as a Guest Lecturer.
- One year teaching experience in School of Studies in Environmental Science, Pt. Ravishankar Shukla University, Raipur (C.G.) in the session of 2014-2015 as a Guest Lecturer.
- One year teaching experience in School of Studies in Environmental Science, Pt. Ravishankar Shukla University, Raipur (C.G.) in the session of 2015-2016 as a Guest Lecturer.
- One year teaching experience in School of Studies in Environmental Science, Pt. Ravishankar Shukla University, Raipur (C.G.) in the session of 2016-2017 as a Guest Lecturer.
- One year teaching experience in School of Studies in Environmental Science, Pt. Ravishankar Shukla University, Raipur (C.G.) in the session of 2018-2019 as a Guest Lecturer.

Awards/Prizes:

S. No.	Name of Awards	Organization	Year
1.	Lions Top Ten Award (Maximum marks in B.Sc.)	Lions Club Rajnandgaon City, Rajnandgaon, CG	2005
2.	Gold Medal (1 st Position in B.Sc.)	Govt. Digvijay College, Rajnandgaon, CG	2007
3.	Shri. Aasharam Ji Agrawal Award (Maximum marks in B.Sc. Biology)	Udyachal Samajik awam Sanskritik Sangathan, Rajnandagaon, CG	2007

4.	Gold Medal (1st Position in M.Sc. Chemistry)	Govt. Digvijay College, Rajnandgaon, CG	2009
5.	Gold Medal (Maximum marks in the College)	Govt. Digvijay College, Rajnandgaon, CG	2009
6.	Shri. Aasharam Ji Agrawal Award (Merit in M.Sc. Chemistry)	Udyachal Samajik awam Sanskritik Sangathan, Rajnandagaon, CG	2009
7.	2nd Prize in Poster competition on the occasion of National Science Day	Pt. Ravishankar Shukla University, Raipur, CG	2014
8.	Chhattisgarh Young Scientist Award	Held at Bilaspur University, Bilaspur, organized by CG- COST	2016
9.	1st Prize in poster competition on the occasion of National Science Day	Pt. Ravishankar Shukla University, Raipur, CG	2016
10.	3rd Prize in poster competition on the one-day Symposium on Science, Technology and Humanity	Pt. Ravishankar Shukla University, Raipur, CG	2016
11.	Best Poster Presentation Award in the National Seminar on advances in Environmental Sciences & Technology	Govt. Digvijay College, Rajnandgaon, CG	2016

Best Peer Reviewed Publication (up-to 10):

- Sahu, B.L.,** Banjare, G.R., Ramteke, S., Patel, K.S. and Matini, L. (2016) Fluoride Contamination of Groundwater and toxicities in Dongargaon Block, Chhattisgarh, India, *Water Quality Exposure and Health*, 1-14. [doi:10.1007/s12403-016-0229-3](https://doi.org/10.1007/s12403-016-0229-3)
- Sahu, B.L.,** Rajhans, K.P., Ramteke, S., Patel, K.S., Wysocka, I. and Jaron, I. (2016) Geochemistry of Rare Earth Elements in Sediment of Central India. *Journal of Environmental Protection*, 7, 705-714. <http://dx.doi.org/10.4236/jep.2016.75063>
- Sahu, B.L.,** Ramteke, S., Rajhans, K. P., Patel, K.S., Wysocka, I. and Jaron, I. (2018) Contamination of pond with fluoride and heavy metals in central India. *Water Resources*, 6, 975-984.
- Patel, K. S., **Sahu, B.L.,** Dahariya, N.S., Bhatia, A., Patel, R.K., Matini, L., Sracek, O. and Bhattacharya, P. (2015) Groundwater arsenic and fluoride in Rajnandgaon District, Chhattisgarh, northeastern India, *Applied Water Science*.

DOI 10.1007/s13201-015-0355- 2.

5. Patel, K.S., **Sahu, B.L.**, Ramteke, S., Jaiswal, N.K., Borgese, L., Gianoncelli, A. and Bontempi, E. (2015) Contamination of Arsenic and Other Heavy Metals in Rhizospheric Soil. *American Journal of Analytical Chemistry*, 6, 822-829.
<http://dx.doi.org/10.4236/ajac.2015.610078>
6. Patel, K.S., **Sahu, B.L.**, Ramteke, S. and Bontempi, E. (2016) Contamination of Paddy Soil and Rice with Arsenic, *Journal of Environmental Protection*. 7, 689-698, <http://dx.doi.org/10.4236/jep.2016.75061>
7. Yadav, A., Nanda, A., **Sahu, B.L.**, Sahu, Y.K., Patel, K.S., Pervez, S., Gulgundi, M.S., Oterino, J.A.C., Martín-Ramos, P. and Bhattacharya, P. (2020) Groundwater hydrochemistry of Rajnandgaon district, Chhattisgarh, Central India. *Groundwater for Sustainable Development*, 11.
<https://doi.org/10.1016/j.gsd.2020.100352>
8. Patel, K. S., Sharma, R., **Sahu, B.L.**, Patel, R.K. and Matini, L. (2014) Ground Water Quality of Rajnandgaon City. *Asian journal of Water, Environment and Pollution*, 11, 31- 37.
9. Ramteke, S., Patel, K.S., **Sahu, B.L.**, Deb, M.K., Giri, B., Aggarwal, S.G., Ren, H. and Fu, P. (2018) Spatial Variation, Distribution and Source Impacts in Urban Organic Aerosols. *Asian Journal of Chemistry*, 11, 2582-2590.
<https://doi.org/10.14233/ajchem.2018.21683>
10. Dahariya, N.S., Rajhans, K.P., Yadav, A., Ramteke, S., **Sahu, B.L.** and Patel, K.S. (2015) Fluoride Contamination of Groundwater and Health Hazard in Central India. *Journal of Water Resource and Protection*, 7, 1416-1428.
<http://dx.doi.org/10.4236/jwarp.2015.717115>

Book Chapters:

- ♣ **Ramteke, S. and Sahu, B.L. (2020) Coronavirus disease (COVID-19): An investigation on mechanism of ACE2 on severe acute respiratory syndrome (SARS) severity and viral sepsis. Shriyanshi Prakashan, ISBN: 978-93-81247-44-0.**
- ♣ **Ramteke, S. and Sahu, B.L. (2020) COVID-19: General Introduction and Positive Impact on Indian Air Quality. Shriyanshi Prakashan, ISBN: 978-93-81247-44-5.**
- ♣ **Ramteke, S. and Sahu, B.L. (2020) A Brief Overview Of SARS-COV2, SARS-Cov and MERS-Cov Coronaviruses Outbreak to Global Health. Kripa Drishti Publication. ISBN: 978-81-946587-9-5.**

Research Supervision:

Ph.D. Pursuing

☉ Sandhya Savita

M Sc. Dissertation Awarded : 08

M Sc. Dissertation Pursuing : 03

Administrative Responsibilities:

- ☉ Member of Student council election 2019-2020.
- ☉ Committee Member for verification in the selection of Adhoc faculties 2019-2020.
- ☉ Coordinator of Cricket & Kabaddi (Male) in university interschool Sports Meet-2019-2020.
- ☉ Member of UG & PG Admission Committee 2020-21 (documents verification) of the department.
- ☉ Teacher coordinator for filling of Criteria-1 of Chemistry Department for NAAC under IQACAQAR.
- ☉ Mentor of M.Sc. II Semester in 2019-2020.
- ☉ Mentor of B.Sc. I Semester in 2021-2022.
- ☉ Member, Organizing conferences/seminars/workshops, GGV, Bilaspur (C.G.), India.
- ☉ Committee member for “News Publication” in National Science Day Celebration organized by GGV, Bilaspur (C.G.), India, held on 28th February, 2022.

Additional Information:

- ⇒ Life member of CRSI.
- ⇒ Papers presented in International/National conferences: 20.
- ⇒ Invited Talks: 03.
- ⇒ Attended Faculty Induction Program (FIP) in 2021 by UGC-HRDC, GGV.
- ⇒ Reviewer for many international journals.

Dr. Bharat Lal Sahu