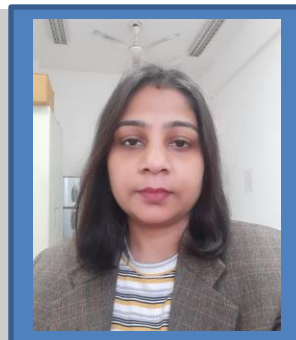


-----Name-----**Dr. Sandhya**  
---Designation---**Assistant Professor**  
---Department---**Zoology**  
-----School-----**Life-Sciences**

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### Education Qualification

	<b>Organization</b>	<b>Year of award</b>
<b>Undergraduate</b>	<b>Regional Institute of Education (RIE, Ajmer), NCERT, Rajasthan affiliated to Maharshi Dayanand Saraswati University, Ajmer</b>	<b>2006</b>
<b>Post-graduation</b>	<b>Banaras Hindu University, Varanasi</b>	<b>2008</b>
<b>Ph.D.</b>	<b>Banaras Hindu University, Varanasi</b>	<b>2013</b>
<b>Post-Doctoral Training</b>	<b>Chaudhary Charan Singh University, Meerut</b>	<b>2015 (8 months)</b>

### Professional Experience (In Years)

**Teaching Experience: 5 years and 7 months**

**Research Experience: 5 years 9 months**

### Areas of Research (Maximum Five Bullet Points)

- \* **Fish biology**
- \* **Ecotoxicology**
- \* **Heavy metal toxicity**
- \* **Aquatic Toxicology**
- \* **Phytoremediation**

### Research/Consultancy Grants

<b>Title of Projects</b>	<b>Funding Agency</b>	<b>Duration (Specific Dates)</b>	<b>Total grant</b>	<b>Role (PI/CO-PI)</b>

## Publications

International						
Author/s (Year), Title, Name of Journals, Volume (Issue), Page no.						
S. No.	Author (s)	Title	Name of Journal	Volume	Page	Year
1.	Sandhya Bharti & Tarun Kumar Banerjee	Toxicity analyses of raw and phytoremediated coal mine effluents using certain blood parameters of fish	<i>International Journal of Current Research</i>	6	7376-7385	2014
2.	Sandhya Bharti & Tarun Kumar Banerjee <a href="https://doi.org/10.1002/cle.n.201200058">doi.org/10.1002/cle.n.201200058</a>	Toxicity analyses of coal mine effluent on certain vital organs system of fish <i>Heteropneustes fossilis</i> (Bloch)	<i>Clean - Soil, Air, Water</i> (Impact factor: 1.95)	4	260-266	2014
3.	Sandhya Bharti & Tarun Kumar Banerjee <a href="https://doi.org/10.1016/j.coenv.2013.03.004">doi.org/10.1016/j.coenv.2013.03.004</a>	Bioassay analyses of efficacy of phytoremediation in decontamination of coal mine effluent	<i>Ecotoxicology and Environmental Safety</i> (Impact factor: 3.974)	92	312-319	2013
4.	Sandhya Bharti & Tarun Kumar Banerjee <a href="https://doi.org/10.1016/j.coenv.2012.04.009">doi.org/10.1016/j.coenv.2012.04.009</a>	Phytoremediation of the coal mine effluent	<i>Ecotoxicology and Environmental Safety</i> (Impact factor: 3.974)	81	36-42	2012
5.	Sandhya Bharti & Tarun Kumar Banerjee <a href="https://doi.org/10.1007/s00128-011-0371-3">doi.org/10.1007/s00128-011-0371-3</a>	Bioaccumulation of metals in the edible catfish <i>Heteropneustes fossilis</i> (Bloch) exposed to coal mine effluent generated at Northern Coalfield Limited, Singrauli, India	<i>Bulletin of Environmental Contamination and Toxicology</i> (Impact factor: 1.5)	87	393-398	2011
National						
Author/s (Year), Title, Name of Journals, Volume (Issue), Page no.						
1. <b>Sandhya Bharti</b> and Tarun Kumar Banerjee (2013), Impact of coal mine effluent on certain nutritionally important biomolecules of the edible components of the economically important catfish <i>Heteropneustes fossilis</i> , <i>Drishti Journal</i> , ISSN No. 2250-2467, 4, 162-170.						

<b>Book Chapters</b>				
Author/s (Year), Title, Name of Book, Publisher, Edition, ISBN No., Page no.				
<b>Authored Books</b>				
Author/s (Year), Title, Name of Book, Publisher, Edition, ISBN No., Page no.				
<b>Edited Books (01)</b>				
<b>Author/s (Year), Title,Name of Book, Publisher, Edition, ISBN No., Page no.</b>				
<b>Editors:</b> (1) Dr. Abha Mishra (2) <b>Dr. Sandhya</b> <b>Co-editors:</b> (1) Dr. S. Maji <b>Year: 2019</b>	Proceedings of National Conference on Research Development in Fisheries	-	Edition 1 <sup>st</sup> , Volume 1	978-93-5396-043-8 (pages 1-100)

### Patents

	Inventors	Title and Award/Application no.
<b>Awarded</b>		
<b>Published</b>		
<b>Filed</b>		

### Research Supervision

	Completed	Ongoing
<b>PG (<input checked="" type="checkbox"/>)/M.Phil</b>	21	10
<b>Ph.D</b>	-	4
<b>Post-Doctoral</b>	-	-

### Honors, Recognition and Awards

- \* 2015 Dr. D.S Kothari postdoc fellowship (UGC) from 1<sup>st</sup> of March to 25 Oct 2015
- \* 2009 Council of Scientific and Industrial Research (CSIR) – UGC-National eligibility test (NET), JRF (2010-11) and SRF (2012-13).
- \* 2008 Hanuman Singh Memorial gold medal for securing highest % of marks in fish biology special paper in M.Sc (Zoology) final year.
- \* 2008 University Grant Commission (UGC), New Delhi – (BHU – CRET – Junior Research Fellow (JRF)
- \* 2008 Rajiv Gandhi National Fellowship (RGNF) – JRF
- \* 1996 State level talent search examination, consolation prize, MP, India, organized by IPOT

## Membership of Professional Bodies

\*

## Seminar/Conference/Symposia /Workshops Organised

Please provide details wherein the faculty member has participated as a organizing Secretary

Name of Organizing Secretary	Name of Conference	Date and Venue
(1) Dr. Abha Mishra (Assistant Professor, DOZ, BBAU) (2) <b>Dr. Sandhya</b> (Assistant Professor, DOZ, BBAU)	<b>National Conference on Research Development in Fisheries -2019 (NCRDF-2019)</b>	7 <sup>th</sup> -8 <sup>th</sup> November, 2019, <b>Department of Zoology, BBAU, Lucknow (Funded by CSIR, DST-SERB, INSA, ICAR NABARD)</b>

## Countries Visited

\* Presented a paper in “3<sup>rd</sup> International Conference on Environmental Research” held from 16-18 September, 2010 at University of Mauritius, Reduit, Mauritius.

## Invited Lectures/Talks/Chair/Co-Chair in Seminar/Conference/Symposia /Workshops

\* Participated in 2 Weeks faculty development program (FDP) organized jointly by Ramanujan College and Motilal Nehru College (E), University of Delhi, Teaching Learning Centre, MHRD on "Learning Advanced E-tools for MOOCs Development & Research" from September 1 - September 14, 2020.

\* Participated in 2 Weeks faculty development program (FDP) on Entrepreneurship Development by CTED in association with EDII Ahmedabad, sponsored by DST (NEDB Under DST-NIMAT Project) Govt. of India and CTED, Amethi from 8<sup>th</sup> January to 19<sup>th</sup> January 2019 at Babasaheb Bhimrao Ambedkar University, Lucknow.

\* Presented an oral presentation in International Conference on “Functional Biology and Molecular Interactions” held at Dept. of Biochemistry, University of Lucknow held from December 20-22, 2017.

\* Presented a paper in “32<sup>nd</sup> Annual conference of society of toxicology (STOX) and International symposium in new frontiers in toxicology” held from 5-7, December, 2012 Lucknow, India

\* Participated in workshop on “Technology entrepreneurship development programme in biotechnology” at IIT, BHU, Varanasi held during 3 August to 1st September 2012.

\* Participated in 5<sup>th</sup> practical summer training on Chromatography, Molecular Biology and Bioinformatics held from 4-15 June, 2012 at Department of Biotechnology, VIT- University, Vellore, Tamil Nadu, India.

\* Presented a paper in National seminar on “Environmental concerns and Sustainable development: Issues and challenges for India” held from 2-4 March, 2012 at the Institute of Environment and Sustainable Development, Banaras Hindu University, Varanasi, India.

\* Presented an oral presentation in “International conference on biodiversity and aquatic toxicology” held during 12-14 February, 2011 at Acharya Nagarjuna University, Andhra Pradesh, India

#### **Additional Information (If Any)**