

## CURRICULUM VITAE



**Dr. SARITA MURMU**  
**ASSISTANT PROFESSOR**  
**DEPARTMENT OF ZOOLOGY**  
**B.B.M.K.UNIVERSITY,**  
**DHANBAD-826001 (JHARKHAND)**  
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### **Objective:**

Looking forward an opportunity to work in a progressive and challenging environment where I can enhance my skills and potential to achieve perfection in my job through works.

### **Educational Qualification:**

<b>Exam Pass</b>	<b>Board/University</b>	<b>Year of Passing</b>	<b>Percentage</b>
Ph.D	Barkatullah University, Bhopal	Ph.D Course Work (2014)	73.5%
M.Phil	Barkatullah University, Bhopal	2004	67%
M.Sc.	Ranchi University, Ranchi	2003	55.50%
B.Sc	Ranchi University, Ranchi	1999	58%

**M.Phil:** Effects of Pyrethrin on histopathological and Enzymological activity (GOT, GPT, ACP and ALP) in liver and kidney of freshwater fish *Clarias batrachus* (L.).

**Ph.D:** Toxicological effects of Bisphenol-A and its preventive role by vitamin C on freshwater fish *Cirrhinus mrigala* (Ham.).

**List of Publication:**

- 1) Murmu S., Khan A., Wangneo A. and Shrivastava V.K. (2006): Histopathological effects of Pyrethrin in liver and kidney of fresh water fish *Clarias batrachus* (L.). I.J. Applied Life Sc., 1(12):46-48.
- 2) Murmu S., Khan A. and Shrivastava V.K. (2006): Pyrethrin A hazardous insecticides for environment. National Seminar on “Biotechnology and its role in facilitation of Green revolution, 112-114.
- 3) Khan A., Murmu S. and Shrivastava V.K. (2006): Preventive role of Kamdhenu Ark (cow urine distillate) against cadmium toxicity on enzyme activities in liver of male mice *Mus musculus* (P.), Indian Journal of Applied Life Sciences, 2(1):87-90.
- 4) Murmu S., Ganaie J.A., Khan A. and Shrivastava V.K. (2007): Pyrethrin induced changes in enzymological activities (GOT, GPT, ACP and ALP) in liver and kidney of fresh water fish *Clarias batrachus* (L.), “Biospectra”, 2(1):89-93.
- 5) Ganaie J.A., Murmu S. and Shrivastava V.K. (2007): Sodium dichromate induced histopathological and histochemical alteration in testis of male rat *Rattus rattus* published in “Himalayan Journal of Zoology”, Haridwar.
- 6) Khan A., Murmu S., Chauhan R. and Shrivastava V.K. (2007): Ayurveda and cow urine therapy-The most powerful holistic therapy. Indian Biotech Journal, Vol.1(1),18-20.
- 7) Murmu S., Gawande M.R. and Shrivastava V.K. (2009): Effects of Bisphenol-A on enzyme activities (GOT, GPT, ACP and ALP) on liver and kidney of freshwater fish *Cirrhinus mrigala* (Ham.). Trends in Biosciences, 3(2):137-139.
- 8) Murmu S. and Shrivastava V.K. (2010): Protective action of an anti-oxidant (vitamin-C) against Bisphenol-A toxicity in *Cirrhinus mrigala* (Ham.). Turkish Journal of Fisheries and Aquatic Sciences, 11:25-29.
- 9) Murmu S. and Shrivastava V.K. (2011): Ameliorative effects of vitamin-C against bisphenol-A toxicity in liver of *Cirrhinus mrigala* (Ham.). The Bioscan, 7(2):353-357.
- 10) Murmu S. and Shrivastava V.K. (2012): Toxicological effects of Bisphenol-A and its preventive role by vitamin C on enzymological activities (i.e., GOT, GPT, ACP and ALP) in kidney of *Cirrhinus mrigala* (Ham.). The Ecoscan, 1:193-196.
- 11) Murmu S. and Shrivastava V.K. (2014): Role of vitamin-C as antidote against bisphenol-A toxicity in kidney of fresh water fish *Cirrhinus mrigala* (Ham.). The Ecoscan, 4:497-501.

- 12) Murmu S. and Shrivastava V.K. (2014): Vitamin-C work as an antidote against bisphenol-A toxicity in freshwater fish *Cirrhinus mrigala* (Ham). Egyptain Academic Journal of Biological Sciences, 6(1):83-87.
- 13) Suman,S. and Murmu, S. (2023): Effect of Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>) on biochemical estimation (i.e., protein, cholesterol and creatinine) in fresh water fish *Catla catla* (Ham.). is Communicated in Book Chapter.
- 14) Murmu, S. (2023): Vitamin-C ameliorates bisphenol-A (BPA) toxicity on histopathological studies in ovary of freshwater fish *Cirrhinus mrigala* (Ham.)” is communicated in Book Chapter.

**ABSTRACT:** 1) Suman,S. and Murmu, S. (2023): Effect of Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>) on biochemical estimation (i.e., protein, cholesterol and creatinine) in fresh water fish *Catla catla* (Ham.). Changing Course in Global Environment: Challenges and Solutions, on the eve of World environment day 2023 & 34<sup>th</sup> All India Congress of Zoology, P:108.

2) Suman, S and Murmu, S. (2023): Impact of Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>) on Environment, Organized by SSLNTM, Dhanbad, In Association with TOUCAN Research and Development, Bengaluru, Karnataka, P:92

3) Suman, S and Murmu, S. (2024): Effect of H<sub>2</sub>O<sub>2</sub> on Biochemical estimation i.e., Protein, Cholesterol and Creatinine in Fish *Catla catla* (H.).

#### **Extra-Curricular Activities:**

- Participated and Presented a Paper “Toxic effect of Pyrethrin on body weight of fresh water fish *Clarias batrachus* (L). on International Conference on Conservation Aquatic Biodiversity and Ecosystem services of Ganga Basin in Zoological Society of India held from 21<sup>st</sup> to 23<sup>rd</sup> October 2024, organized by Department of Zoology Government PG College New Tehri, Tehri Garhwal, Uttarachand-249001, India.
- Participated and Presented a Paper “ Role of Vitamin-C as Antidote in Fish and Human” on 2 days (23<sup>rd</sup> and 24<sup>th</sup> 2023) Multidisciplinary National Seminar on “ Contemporary Research System in India and Changing Scenario of Present Paradigms” (CRSICSPP-2023) organized by SSLNTM Mahavidyalaya, Dhanbad in association with TOUCAN Research and Development, Bengaluru, Karnataka.
- Participated and Presented a Paper “Vitamin-C ameliorates bisphenol-A (BPA) toxicity on histopathological studies in ovary of freshwater fish *Cirrhinus mrigala* (Ham.)” on 3 days (5<sup>th</sup> to 7<sup>th</sup> June 2023) National Conferences, Changing Course in Global Environment: Challenges and solution, held in Department of Environmental Science, University of Kashmir, Srinagar in collaboration with Zoological Society of India.

- Attended the International Virtual Conference on Interdisciplinary Development in Science Technology and Humanities (IVCIDSTH-2020) held online from 5-6 August 2020.
- Participated and Presented a Paper “Role of vitamin-C on Plants” ISCUFR (International on conservation and utilization of forest resources for sustainable livelihoods), Mulu Marriott resort & spa, Sarawak, Malaysia, October 26-29, 2015.
- Participated and Presented a Paper “Vitamin-C work as antidote against bisphenol-A toxicity in kidney of fresh water fish *Cirrhinus mrigala* (Ham.)” Harmony with Nature in context of Environmental Issues and Challenges of the 21<sup>st</sup> Century, 28-30 November, 2014.
- Participated and Presented a Paper “Toxicological effects of Bisphenol-A and its preventive role by vitamin C on enzymological activities (i.e., GOT, GPT, ACP and ALP) in kidney of *Cirrhinus mrigala* (Ham.)” on 4<sup>th</sup> International Conference on Anthropogenic Impact on Environment and conservation strategy, organized jointly by Dept. of Zoology, Ranchi University and Dept. of Zoology & Botany St. Xavier’s College, Ranchi, 2-4 November, 2012.
- Participated and Presented a Paper “Vitamin C ameliorates bisphenol-A induced toxicity in fish (*Cirrhinus mrigala*) testis” on UGC sponsored National Seminar on Biodiversity: its conservation and sustainable development for Human welfare organized by Vinoba Bhave University, Hazaribag, Jharkhand (India) collaboration with Zoological society of India, Bihar, 7-9 April, 2012.
- Participated and Presented a Paper “Amelioration effects of vitamin-C....in liver of *Cirrhinus mrigala* (Ham.)” International Conference on Climate change, forest Resource and Environment” (ICCFRE-2011), 9-11, December 2011.
- Participated and Presented a Paper “Preventive role of vitamin-C against Bisphenol-A toxicity on FSH, LH and testis of *Cirrhinus mrigala* (Ham.)” on 3<sup>rd</sup> Congress of the Asia Pacific Initiatives on Reproduction (ASPIRE, 2010), Bangkok, Thailand 9-11 April 2010.

**Eminent Speaker:** Presented a paper through online (Virtual Seminar) on “Biodiversity Conservation : Ecological and Economical Aspects” held on 25<sup>th</sup> February 2021, Govt. P.G. College Bareilly, Distt. Raibareilly (M.P.).

**Research Scholar: Registered:** 1) Sarita Suman Topic: Toxic effects of Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>) and amelioration of vitamin C of fresh water fish *Catla catla* (Ham.).

2) Usha Kumari ( Co-Guide) Topic: Assessing seasonal shifts in zooplankton diversity and its association with physiochemical parameters in Garba reservoir, Bokaro Jharkhand, India.

- 3) Ruhi Ghazala (Registered ): Studies on the Harmful effects on Propoxur (Carbamates) and ameliorative role of vitamin-C on fresh water fish species *Channa Punctatus* (Bl., 1793).
- 4) Md. Nishat Akhtar: Studies on the impact of heavy metal Arsenic and control by curcumin in fresh water fish *Cirrhinus mrigala* (Ham.).
- 5) Amit Kumar : Studies on toxicological effects of indoxacarb a pesticides and its protective action of vitamin C on fresh water fish *Channa striata* (B. 1793).
- 6) Shamsher Alam : Studies on the effect of Sodium Benzoate and amelioration of vitamin E on male mice *Mus musculus*(P).

**Book Published: one ISBN number:978-93-5234-062-0**

**Computer Knowledge:** One year Diploma Course

**Experience:**

- 1) Degree College: (10 years 8 months) (**SSLNT COLLEGE, DHANBAD, JHARKHAND, INDIA**)
- 2) University : 06 years approximately (Five years )( **BINOD BIHARI MAHTO KOYALANCHAL UNIVERSITY, DHANBAD, JHARKHAND, INDIA**)
- 3) School: 02 (Two years) (**RAMAKRISHNA MISSION SCHOOL, CHAKULIA, JHARKHAND,INDIA**)

**Personal Profile:**

Name: Dr. Sarita Murmu

Father's Name: Late Doman Murmu

Date of Birth: 08-05-1977

Permanent Address: Village-Edel Bera, Post Office-Bankati, Dist-East Singhbhum, Jharkhand (India), Pin-832303

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E-mail: 1) [sunita82006@yahoo.co.in](mailto:sunita82006@yahoo.co.in),

2) [saritamurmu3632@gmail.com](mailto:saritamurmu3632@gmail.com)

Nationality: Indian

Languages Known: English, Hindi, Bangla & Santhali

Marital Status: Single

Hobbies: To watch Television

**DECLARATION:**

I hereby declare that the above information is true to the best of my knowledge.

Date: 19/02/2021

Place: Dhanbad

A handwritten signature in blue ink, appearing to be 'S. Murmu', with a small flourish at the end.

**(Sarita Murmu)**