

CURRICULUM VITAE



Dr. SARITA MURMU
ASSISTANT PROFESSOR
DEPARTMENT OF ZOOLOGY
B.B.M.K.UNIVERSITY,
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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:

Exam Pass	Board/University	Year of Passing	Percentage
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 (H₂O₂) 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 (H₂O₂) 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 & 34th All India Congress of Zoology, P:108.

2) Suman, S and Murmu, S. (2023): Impact of Hydrogen Peroxide (H₂O₂) 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 H₂O₂ 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 21st to 23rd 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 (23rd and 24th 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 (5th to 7th 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 21st 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 4th 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 3rd 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 25th February 2021, Govt. P.G. College Bareilly, Distt. Raibareilly (M.P.).

Research Scholar: Registered: 1) Sarita Suman Topic: Toxic effects of Hydrogen Peroxide (H₂O₂) 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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2) 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)