



Dr. Madhu Sharma

Assistant Professor
Department of Fisheries
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Academic Qualifications:

- **Ph.D.** from **GNDU Amritsar**
- **M.Sc.** (Zoology) from D.A.V. College, Jalandhar (GNDU Amritsar)
- **B.Sc.** (Med.) from H.M.V. Jalandhar (GNDU Amritsar).

Professional Qualification

- **B.Ed** (2006) HP University, (Ranked 5th HPU, awarded with Best Skills in teaching award).

Employment Record

Designation	Work	Organization	Institution	Period
Asstt. Professor	Teaching	D.A.V. College,	D.A.V. College Jalandhar	6.2006 -10.2008
Asstt. Professor	Teaching	CSKHPKV Palampur	College of Basic Science	1.2010 - 8. 2011
Asstt. Professor	Teaching	CSKHPKV Palampur	College of Basic Sciences	1.2017- 19.04.2017
Asstt. Professor	Teaching, Research and Extension	CSKHPKV Palampur	College of vety and Animal Sciences	19.04.2017-Till date

Research Publications in Referred Journals-

1. **Madhu Sharma, Pooja Chadha and Shelly Sharma** (2014). Acute and subchronic exposure of 4-nonylphenol to freshwater fish *Channa punctatus* to evaluate its cytotoxicity. **Biochemical and Cellular Archives**. Vol.14 (2) pp 363-367. **Naas Rating- 4.46**

2. **Madhu Sharma** and Pooja Chadha (2015). Acute toxicity of 4-nonylphenol on haematological profile of fresh water fish *Channa punctatus*. *Research Journal of Recent Sciences*. Vol. 4 pp 25-31.
3. **Madhu Sharma**, Pooja Chadha and Manoj Kumar Borah (2015). Fish behaviour and immune response as a potential indicator of stress caused by 4-nonylphenol. *American Journal of BioSciences*. Vol. 3 (6) pp 278-283.
4. Shelly Sharma, Pooja Chadha and **Madhu Sharma** (2014). Kamdhenu Ark as a genoprotective agent against chlorpyrifos induced genotoxicity. *International Journal of Science and Research*. Vol. 3 (12) pp 1337-1342. **IF 6.39**
5. **Madhu Sharma** and Pooja Chadha (2016). 4-Nonylphenol induced DNA damage and repair in fish, *Channa punctatus* after sub chronic exposure. *Drug and Chemical Toxicology*. DOI: 10.1080/01480545.2016.1223096 **Naas Rating-7.72**
6. **Madhu Sharma** and Pooja Chadha (2016). Study on DNA damaging effects of 4-nonylphenol using erythrocytes from peripheral circulation, gill and kidney of fish *Channa punctatus*. *Journal of Environmental Biology*. Vol. 37 (2) pp 313-318. **Naas Rating-6.53**
7. **Madhu Sharma** and Pooja Chadha (2016). 4- Nonylphenol induced Genotoxicity assessment in blood cells of fish *Channa punctatus* using Comet Assay. **Australian Society of Animal Production. Adelaide, Australia. Brief communication.** <http://www.asap.asn.au/?abstract=4-nonylphenol-induced-genotoxicity-assessment-blood-cells-fish-channa-punctatus-using-comet-assay&category=animal-genetics-and-genomics>
8. **Madhu Sharma** and Pooja Chadha (2017). Widely used non-ionic surfactant 4-nonylphenol: showing genotoxic effects in various tissues of *Channa punctatus*. *Environmental Science and Pollution Research*. DOI 10.1007/s11356-017-8759-1 **Naas Rating- 8.83.**
9. **Madhu Sharma** and Pooja Chadha (2017). Toxicity of Non Ionic Surfactant 4-Nonylphenol an Endocrine Disruptor- A Review. *International Journal of Environmental Technology and Management*. Under Review.
10. **Madhu Sharma** and Pooja Chadha (2017). Induction of Genotoxicity after subchronic treatment with 4-nonylphenol in blood cells from gill and kidney and restoration of DNA integrity after recovery by *Channa punctatus*. *Environmental monitoring and assessment*. (Communicated) **Naas rating- 7.68.**

11. **Madhu Sharma** and Pooja Chadha (2017). Immunological Impairment as a Marker of 4-Nonylphenol Induced Stress. *Brazilian Archive of Biology and Technology* (Communicated)
Naas Rating- 6.47

Poster and Oral presentations at International & National conferences-

1. **Madhu Sharma** and Pooja Chadha. 4- Nonylphenol induced Genotoxicity assessment in blood cells of fish, *Channa punctatus* using Comet Assay. Animal Production 2016. ASAP, Australia. 4-5 July 2016.
2. Pooja Chadha, Snehdeep kaur, **Madhu Sharma**, Mandeep Kaur and Zorawer Singh (2014). Application of comet assay for assessment of genetic damage using insect model. **International conference on entomology, Department of Zoology and Environmental Sciences, Punjabi University, Patiala, Punjab, India.**
3. **Madhu Sharma** and Pooja Chadha (2014). Acute toxicity of 4-nonylphenol on haematological profile of fresh water fish *Channa punctatus*. **International Science Congress. Pacific University, Udaipur, Rajasthan, India.**
4. Singh, Z, Chadha, P., Kaur, S., **Sharma, Madhu** and Sharma, S. (2012). Genotoxic assessment of occupational exposure in iron industry workers by comet assay. **Lovely Professional University, Jalandhar 11-14 Oct. 2012.**
5. **Madhu Sharma** and Pooja Chadha (2014). Cytotoxicity of 4-nonylphenol after acute and subchronic exposure of fresh water fish *Channa punctatus*. U.G.C. sponsored National Seminar on Perspectives in Plants and Environmental Sciences Environmental and Botanical Sciences **G.N.D.U. Amritsar** 11-12 March 2014.
6. **Madhu Sharma** and Pooja Chadha (2014). Genotoxicity of surfactant: 4-nonylphenol on fish *Channa punctatus*. 17th Punjab Science Congress, **Punjab Technical Uni, Kapurthala**, India.
7. **Madhu Sharma** and Pooja Chadha. Detection of DNA damage by alkaline single cell gel electrophoresis in 4-nonylphenol exposed fish kidney cells. 18th Punjab Science and technology in current scenario. **Punjab academy of science (Patiala)**, Desh Bhagat Uni, 7-9 Feb 2015.
8. **Madhu Sharma** and Pooja Chadha. Long term genotoxic effect of 4-nonylphenol on *Channa punctatus* and DNA repair after cessation of exposure. National conference on Biodiversity Conservation and Pollution Control Challenges and Strategies. **Jammu Uni**. 9-10 March 2016.

Other Achievement

- Elected as Best All Rounder student in 2006.
- Was a member of prize winning play & Western group song team participated in youth festival in 2005.

Administration		
Proctor	D.A.V. College, Jalandhar	2 Years (2003-2005)
Head Girl	Vaishno College of Education Thapkour	1 Year (2005-2006)
Additional administrative responsibility	Member of EMA Department In D.A.V. College, Jalandhar	2 and Half Year (June 2006- Oct 2008)

WorkShop attended-

Attended one day work shop on anti plagiarism held at Guru Nanak Dev University

Member of professional Societies:

Australian Society of Animal Production, Australia

(MADHU SHARMA)