

## BIODATA

1. Name and Full Correspondence Address: **DR. NITIN BHARDWAJ, Assistant Professor, Department of Zoology and Environmental Sciences, Gurukula Kangri (Deemed to be University), Haridwar-249404**
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S.No	Degree	Year	Subject	University/Institution
1.	B.Sc	2002	Zoology, Chemistry, Botany	CCS University Meerut
2.	M.Sc	2004	Zoology	CCS University Meerut
3.	M.Phil	2005	Zoology	CCS University Meerut
4.	PhD	2013	Life Sciences	JNU, New Delhi

3. Work experience (in chronological order)

S.NO	Position held	Name of the Institute	From	To
1.	Assistant Professor	Gurukula Kangri Vishwavidyalaya, Haridwar	Dec. 2018	Continue
2.	Assistant Professor	Government P.G College, Karanprayag Uttarakhand	July 2017	Nov. 2018
3.	Assistant Professor	Government Degree College, Purola, Uttarkashi	Sept 2014	July 2017
4.	Research Associate	South Asian University	3.09.2012	31.07.2014

**4. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant**

S.No	Name of Award	Agency	Year
1.	CSIR-UGC JRF	UGC	2006
2.	Travel Support Award	DBT	2012
3.	Travel Support Award	SOT, USA	2012
4.	EUROTOX Travel award	EUROTOX	2014
5.	International Travel Support Award	ICMR	2014

**5. Publications (List of papers published in SCI Journals, in year wise descending order)**

- 1. Bhardwaj, N\*** and Harishchandra (2021) Impacts of lockdown interventions on the spread of COVID19 in India. Journal of Global Infectious Disease, 13; 61-62.
- 2. Bhardwaj, N\*** and Singh **A (2020)** Splenectomy alters the erythrocytes turnover and Basigin expression in mice. Indian journal of Hematology and Blood Transfusion. 58: 37-44.
3. Singh A\*, Usmani SA, Arya K and **Bhardwaj N (2020)** Analysis of sterols by gas chromatography mass spectrometry. In 'Analysis of membrane lipids' Springer Nature, Switzerland AG, 83-101.
4. Singh A\*, **Bhardwaj N** and Prasad R (2020) Nanomaterial-Assisted Mass Spectrometry: An Evolving Cutting-Edge Technique which Needs no Introduction. 'NannoBioMedicine', Springer Nature Singapore, 453-464.
- 5. Bhardwaj, N\*. and Singh A. (2018)** Paraquat treatment modulates Integrin associated Protein (CD47) and Basigin (CD147) expression and mitochondrial potential on erythroid cells in mice. Environmental Toxicology and Pharmacology 58:37-44. **(Impact Factor-2.31) (\*Corresponding author)**
- 6. Chatterjee S., Bhardwaj N. and Saxena R.K. (2016)** Identification of stages of erythroid differentiation in bone marrow and erythrocyte subpopulations in blood circulation that are preferentially lost in autoimmune hemolytic anemia in mouse. Plos One DOI:10.1371 / journal.pone.0166878 **(Impact Factor-3.54)**
- 7. Bhardwaj, N. and Saxena, R.K. (2015)** Selective loss of younger erythrocytes from blood circulation and changes in erythropoietic patterns in bone marrow and spleen in mouse anemia

induced by poly-dispersed single wall carbon nanotubes. *Nanotoxicology* 1-9, DOI: 10.3109/17435390.2014.998307. **(Impact Factor -7.74)**

8. Mahto KK, Singh A, Khandelwal NK, **Bhardwaj N**, Jha J, et al. (2014) An Assessment of growth media enrichment on lipid metabolome and the concurrent phenotypic properties of *Candida albicans*. *PLoS ONE* 9(11): e113664. doi:10.1371/journal.pone.0113664 **(Impact Factor- 3.54)**
9. **Bhardwaj N.** and Saxena, R.K. (2014) Elimination of young erythrocytes from blood circulation and altered erythropoietic patterns during paraquat induced anemic phase in mice. *PLoS ONE* 9(6): e99364. doi:10.1371/journal.pone.0099364. **(Impact Factor- 3.54)**
10. **Bhardwaj N.** and Saxena, R.K. (2013). Heterogeneity of reticulocyte population in mouse peripheral blood. *Current Science*; 105 (11). **(Impact Factor- 0.91)**
11. Saxena, RK, **Bhardwaj N**, Sachar S, Puri N and Khandelwal S. (2012) A double *in vivo* biotinylation (DIB) technique for objective assessment of aging and clearance of mouse erythrocytes in blood circulation. *Transfusion Medicine and Hemotherapy* 39:335-341. **(Impact Factor -1.91)** **(ISSN 1382-6679) (UGC No 19854)**
12. **Bhardwaj N.** and Saxena R. K. (2013) Mechanism of action of the herbicide Paraquat mediated oxidative stress on erythroid differentiation pathway in bone marrow and spleen of mice. *Toxicology letters* P 17-10. (<http://dx.doi.org/10.1016/j.toxlet.2013.05.467>)
13. **Bhardwaj N.** and Saxena R. K (2014) Modulation of erythropoiesis and erythrocytes turnover in mice in response to acid functionalized single walled carbon nanotubes (AF-SWCNTS) treatments. *Toxicology letters* P 17-10. (<http://dx.doi.org/10.1016/j.toxlet.2014.06.637>)
14. Details of Research Projects being implemented/ completed/ submitted by the Investigator(s):
  1. Modulation of erythrocytes turnover and erythropoiesis in mouse model of anemia of cancer (ICMR Funded 19.1 Lacs)
  2. Analysis of the chemical constituents, molecular profile and potential therapeutic effects of Himalayan caterpillar fungus *Ophiocordyceps sinensis* (UGC Startup Grant – 10.0lacs)
15. M.Sc. Dissertation: 1 Completed, 3 Undergoing
16. Ph.D Supervision: 2 Undergoing

