

Faculty Profile



- Name:** Dr Mahesh Kumar Bharti
- Date of Joining:** 21-10-2014
- Discipline and Specialization:** Veterinary Biochemistry
- Address of communication:** Assistant Professor,
Dept. of Veterinary Physiology and Biochemistry,
College of Veterinary & Animal Sciences,
Sardar Vallabhbhai Patel University of Agriculture &
Technology, Modipuram, Meerut (U.P.)-250110.
- Mobile:** +918449308515
- Email:** bhartibiochem@gmail.com
- Academic qualification:**

Degree	Year of passing	University
Ph.D. Biochemistry	2010	G.B.P.U.A. & T. PANTNAGAR
M.Sc. Biochemistry	2005	G.B.P.U.A. & T. PANTNAGAR
B.Sc.	2003	Kumaon University
NET	2004	CSIR

8. Professional position held so far

Name of Post/Designation	Duration (from...to...)	University/Institute	Nature of duties
Project Scientist	Jan 2010 to Jan 2011	HRDI, Uttarakhand	Research

9. Ph.D Thesis work:

An Integrated Approach for Transestrification of Biocrude oil of *Jatropha curcas* L. and its Micro/Macropropagation for Population of Superior Genotype

10. Awards:

- ✚ Qualified CSIR-UGC NET 2004
- ✚ 3rd prize in poster presentation in national symposium
- ✚ UGC-National Fellowship 2005

11. Planning/Editing of booklets

- ✚ Technologies at a Glance 2011: NDRI-Industry meets 2011. NDRI karnal
- ✚ The Golden Quinquennium 2007-2012: NDRI karnal, Haryana
- ✚ Technologies for Commercial Transfer 2012: NDRI-Industry meets 2012. NDRI karnal

12. Research/teaching experience:

- ✚ 2.5 Year Research experience after PhD
- ✚ 06 months of teaching experience

13. Research and technical familiarities:

- ✚ **Techniques in Analytical Biochemistry:-**
Spectroscopy (UV- visual), TLC, Molecular exclusion chromatography
- ✚ **Techniques in Molecular Biology:-**
Plasmid and Genomic DNA isolation and purification, isolation and purification of protein, Native, SDS- PAGE, Agarose gel electrophoresis.
- ✚ **Tissue culture:-**
Callus, shoot and Apical meristem culture, checker board analysis, Micropropagation

14. List of publications (Full length papers):

1. **Mahesh Kumar Bharti, A. K. Sharma, Atindra Kumar Pandey and R. Mall (2012)** Physiological and biochemical basis of growth suppressive and growth promotory effect of *Trichoderma* strains on tomato plants. **National Academy Science Letters. 35(5): 355-359.** DOI 10.1007/s40009-012-0058-2. (NAAS: 6.7)
2. **Mahesh Kumar Bharti, Dharmendra Khokhar, Atindra Kumar Pandey and A. K. Gaur (2013)** Purification and characterization of Lipase from *Aspergillus japonicas*: A potent enzyme for biodiesel production. **National Academy Science Letters. 36(2):151-156** DOI 10.1007/s40009-013-0112-8 (NAAS: 6.7)
3. **Mahesh Kumar Bharti, A.K.Gaur, D.khokher & Arvind Shukla 2007.** Sprouting and rooting behavior of different explants(s) of *Jatropha curcas* L. in tissue culture. **Advances in life sciences, 1(2), 44-47.**
4. **Arvind Kumar Bhandari, J.S. Negi, V.K. Bisht, C.S. Rana, M.K. Bharti and Narayan Singh 2010.** Chemical Constituent, Inorganic Elements and Properties of *Cordyceps sinensis* - a Review, **Nature and Science, 8(9), 253-256.**
5. **Narayan Singh, Maya Nainwal, Arvind Kumar Bhandari, M. K. Bharti & L. S. Lodhiyal 2010.** High Altitude Nainital Zoo- A Unique Characteristic of Ecotourism -A Concept Paper **Nature and Science, 8(12).**
6. **Arvind Kumar Bhandari, J. S. Negi, V.K. Bisht and M.K. Bharti 2010.** In Vitro culture of Aloe vera – A Plant with Medicinal Property. **Nature and Science, 8(8), 174-176.**

7. **J. S. Negi, V. K. Bisht, Arvind K. Bhandari, M.K. Bharti, R. C. Sundriyal 2011.** Chemical and Pharmacological Aspects of Toona (Meliaceae). **Research Journal of Phytochemistry, 5(1), 14-21.**
8. **Govind Kumar, Manvika Sahgal, Mahesh Kumar Bharti, Atindra K. Pandey, Anupama Singh 2013.** Optimization of Various Parameters for Utilization of Apple Pomace Amended with Molasses by Indigenous Yeast Isolates. **National Academy Science Letters. (Accepted) (NAAS: 6.7)**

15. Attendance/Participation in National Conference/symposia (No.) : 4

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