

Individual faculty information

1. **Name & Designation** : Dr Mahesh Kumar Bharti, Assistant Professor
2. **Highest qualifications** : **PhD**
3. **Specialization/ Area of interest** : Biochemistry, Enzymology, Nanotechnology
4. **Contact details**
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5. Brief profile

- a. **Name & Designation** : Dr Mahesh Kumar Bharti, Assistant Professor
- b. **Academic qualification**

Degree	Institute/University	Year	Subject
PhD	G.B.P.U.A.&T., Pantnagar-263153, Uttarakhand, India	2010	Biochemistry
CSIR-UGC-NET	CSIR-UGC	2004	Life Science
JRF	UGC	2005	Life Science

c. Professional position held:

Designation	Period	University / Institution
Assistant Professor	21 October, 2014- conti...	Sardar Vallabhbhai Patel University of Agriculture & Technology, Meerut-250110, Uttar Pradesh, India

d. Number of publication along with ten best publications in APA format:

1. Saxena, V., **Bharti, M.K.**, Kumar, P., Singh, J. & Patel, V. B. (2023). Effect of Zinc uptake on Alcohol Dehydrogenase, protein and mineral contents of hydroponically grown Chickpea (*Cicer arietinum*). *Journal of Plant Nutrition*, 46(6): 867–876.
2. Bux, B., Kumar, P., **Bharti, M.K.** & Singh, J. (2022) Molecular Characterization of Proline Rich Regions in *Lens culinaris* under Abiotic Stress. *International Journal of Bio-resource and Stress Management*, 13(6): 638-654.
3. Prajapati, M.R., Manav, A., Singhal, P., Sidharthan, V.K., Sirohi, U., Kumar, M., **Bharti, M.K.**, Singh*, J., Kumar, P., Kumar, R., Prakash, S. & Baranwal, V.K (2022). Complete Genomic RNA Sequence of Tuberose Mild Mosaic Virus and Tuberose Mild Mottle Virus Acquired by High-Throughput Sequencing. *Pathogens*, 11, 861.
4. Maddheshiya, P. K., Ali, N., Fahim, A., **Bharti, M.K.**, Singh, R., Sahu, D. S. & Roy, D. (2020). Study of egg traits among improved varieties of chicken reared under backyard poultry production system. *Indian Journal of Animal Sciences*, 90(6): 898-902.
5. Siddique, R. A., Shabana, Ali, N., **Bharti, M.K.**, Kumar, A., Kumar, A. and Ambwani, T. (2019). Nitric Oxide: A Prime Signaling Molecule in Bovine Male Reproduction. *International Journal of Livestock Research*, 9 (8): 49-74.
6. Rawat, P., Rajput, Y.S., **Bharti, M.K.**, Sharma, R. (2016). A method for synthesis of gold nanoparticles using 1-amino-2-naphthol-4-sulphonic acid as reducing agent. *Current Science*, 110 (12): 2297-2300.
7. **Bharti, M.K.**, Khokhar, D., Pandey, A.K. & Gaur, A.K. (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

8. Kumar, G., Sahgal, M., **Bharti, M.K.**, Pandey, A.K. & Singh, A. (2013). Optimization of Various Parameters for Utilization of Apple Pomace Amended with Molasses by Indigenous Yeast Isolates. *National Academy Science Letters*, (Accepted)
9. **Bharti, M.K.**, Sharma, A. K., Pandey, A. K. & Mall, R. (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.
10. **Bharti, M.K.**, Gaur, A.K., Khokhar, D. & Shukla, A. (2007). Sprouting and rooting behavior of different explants(s) of *Jatropha curcas* L. in tissue culture. *Advances in life sciences*, 1(2): 44-47.

e. Book published: 02

f. Student guided/ Co- guided

Student	Guided (Number)	Co- guided (Number)
PG	NA	11
PhD	NA	01 (Pursuing)

g. Research project

Name of position	Name of project	Funding agency	Status
CO-PI	Establishment of Advanced Diagnostics Laboratory for identification of emerging and re-emerging livestock diseases in western Uttar Pradesh (As Co-PI)	RKVY, Lucknow	Completed
CO-PI	Establishment of semen analytical laboratory for semen certification and quality assurance of breeding cattle and buffalo bull semen of Western Uttar Pradesh	RKVY, Lucknow	Running
Co-PI	Quality control of milk and milk products for Entrepreneurship development and employment generation for rural development (Amount: 375 Lakhs)	RKVY, Lucknow	Sanctioned
PI	Development of Aptamer based rapid multi-residue detection technique for organophosphate pesticides in the livestock and livestock products.	UP-CST	Submitted

h. Award/ Recognition:

- Qualified CSIR-UGC NET 2004
- 3rd prize in poster presentation in national symposium
- UGC-JRF, 2005
- Appreciation Award for Organizing Kisan Mela, 5-6 October, 2016
- Appreciation Award for Organizing Kisan Mela, 5-7 October, 2017
- Appreciation Award for Organizing Kisan Mela, 12-13 October, 2018
- Appreciation Award for Organizing 5 day's farmer's training programme on Pig production, 20-24, October, 2018.
- Appreciation Award for screening cum evaluation committee of University advt. 1/2018.
- Appreciation Award for Organizing Kisan Mela, 8-9 November, 2019
- Appreciation Award for delivering a lecture in 10 day's farmer's training programme on "Entrepreneurship Skill development on goat and pig farming for SC beneficiaries", 5-15 February, 2020.
- Appreciation Award for delivering a lecture in seven day's farmer's training on "Skill Development cum poultry entrepreneurship, 16-22 December, 2019 organized by SVP UA&T Meerut.

- Appreciation Award for sustained and dedicated efforts for registration of **IAEC with CPCSEA**, Ministry of Environment, Forest & Climate Change, Govt. of India, New Delhi from dated 19.03.2019.
- Appreciation Award for outstanding & dedicated work in the project entitled **“Establishment of Advance Diagnostic Laboratory for Identification of Livestock Diseases in Western U.P.”** as Co-PI at SVPUA&T, Meerut

i. Training organized: 12

j. Trainings attended: 09

k. Invited lectures in training / summer schools / winter schools: 19