

1. **Name of faculty:** Dr. Anjali Awasthi
2. **Department:** Zoology
3. **Designation:** Assistant Professor
4. **Age as on 01.01.2016:** 32 years
5. **Educational Qualifications:** M. Sc, M. Phil, Ph. D
6. **Teaching Experience as on 01.01.2016** 2 years
7. **Address (Local):** 191, Lajpat Nagar, Jagatpura, Jaipur
- Address (Permanent):** MR, Teachers Colony, Ajeetmal, Auraiya (U.P)
8. **Phone / Mobile Number:** +91-9461339369
9. **Email ID:** anjkam.awasthi@gmail.com

10. Details of Research Projects:

S. No.	Title of project	Co-investigator if any	Funding Agency	Year of sanction	Year of completion	Funds received (in Lacs)
1.	A bioengineered approach for nanoparticle mediated biofortification	NA	DST-New Delhi	2013	2016	23.60

11. List of Publications:

S. No.	Author(s)	Title	Name of Journal	Volume	Page	Year
1	Awasthi et al.	Toxicological evaluation of TiO ₂ Nanoparticles in Bacterial cell.	Macromolecular Symposia (WILEY-VCH)	357	235-40	2015
2	Awasthi et al.	Silver nanoparticles and carbon nanotubes induced DNA damage in mice evaluated by single cell gel electrophoresis.	Macromolecular Symposia (WILEY-VCH)	357	210-17	2015
3	Awasthi et al.	Silver nanoparticle - induced apoptosis, genotoxicity and	RSC Advances	5	34927	2015

		oxidative stress in CHO cells.			34935	
4	Awasthi et al.	In vivo genotoxic assessment of silver nanoparticles in liver cells of Swiss albino mice using comet assay.	Advanced Material Letters.	6	187-193	2015
5	Awasthi et al.	Silver nanoparticle induced cytotoxicity, oxidative stress and DNA damage in CHO cells.	Journal of Nanoparticle Research	15	1898	2013
6	Awasthi et al.	Multi walled carbon nano tubes induced hepatotoxicity in Swiss albino mice	Micron	44	359-364.	2013
7	Awasthi et al.	Antimicrobial properties of electrochemically stabilized organo-metallic thin films	Advanced Electrochemistry	1	42-47	2013
8	Awasthi et al.	Abnormal endosperm development causes female sterility in rice insertional mutant OsAPC6	Plant Science	183	167-174	2012
9	P Paul, A. Awasthi., et al.	Reduced tillering in Basmati T-DNA insertional mutant OsTEF1 associates with differential expression of stress related genes and transcription factors	Functional and Integrative Genomics	12	291-304	2012
10	P Paul, A. Awasthi., et al.	Development of multiple embryos in polyembryonic insertional mutant OsPE of rice	Plant Cell Reports	39	1779-1787	2012
11	Deepak Rajpurohit et al.	Pyramiding of bacterial blight resistance and a semidwarfing gene in Type 3 basmati using marker-assisted selection	Euphytica	178	111-126	2011

12. List of Conferences / Symposium/ Refresher Courses organized: 01

International Conference on soft Materials 2014 as an organizing Secretary.

13. List of Conferences / Symposium/ Refresher Courses Attended:

- Awasthi A., , Dube A, Awasthi KK (2015) Antimicrobial and antifungal properties of ZnO nanostructured materials in International Conference on Polymer Nanocomposites 2015, Jaipur Nov. 2-5.
- Awasthi A., (2015) Antibacterial and antifungal properties of ZnO nanoparticles in national conference on Herbal Medicines 2015, Jaipur, Dec. 22-24.
- Awasthi Anjali, Dube A, Awasthi KK, Awasthi K. (2014) Antimicrobial activity of TiO₂ doped polystyrene membrane in International Conference on Soft Materials 2014, Jaipur, 168, Oct 6-10.

- Awasthi Anjali. (2014) Antimicrobial activity of Silver Polystyrene Nanocomposite Membrane in National Symposium on Green Economy & Harnessing Natural Products For Sustainable Development 2014, Jaipur, 28, July 12.
- Awasthi KK, Awasthi Anjali, Verma R, Awasthi K, John PJ. (2014) Silver nanoparticles and carbon nanotubes induced DNA damage in mice evaluated by single cell gel electrophoresis in International Conference on Soft Materials 2014, Jaipur, 155, Oct 6-10.
- Awasthi KK, Awasthi Anjali, Kumar N, Roy P, Awasthi K, John PJ. (2013) Silver Nanoparticle Induced Cytotoxicity, Oxidative Stress and DNA Damage in CHO Cells in 7th International Conference on Materials for Advanced Technologies (ICMAT) 2013, Singapore 039593, June 30-July 5.
- Awasthi Anjali, Awasthi KK, John PJ, Sharma SK, Awasthi K. (2013) Evaluation of Antibacterial and Antifungal Activity of Silver Polystyrene Nanocomposite Membranes in 7th International Conference on Materials for Advanced Technologies (ICMAT) 2013, Singapore 039593, June 30-July 5.
- Awasthi KK, Sharma V, Awasthi Anjali, Verma R, John PJ. (2012) Alteration of liver function enzymes in MWCNTs exposed Swiss albino mice in The 32nd Annual Conference of Society of Toxicology (STOX), India and International Symposium on New Paradigms in Toxicology (NPT-2012), organized by CSIR-Indian Institute of Toxicology Research (IITR), Lucknow, Dec. 05-07.
- Awasthi KK, John PJ, Awasthi Anjali. (2012) Evaluation of MWCNT toxicity in spleen of Swiss albino mice in 32nd Session of The Academy of Environmental Biology and National symposium on “Emerging pollutants and pathogens: Challenges and Risk reduction, organized by CSIR-Indian Institute of Toxicology Research, Lucknow. Sept. 20-22.
- Deepak Rajpurohit, PS Chauhan, A Kavita, Rahul Kumar, Priyanka Paul, Awasthi Anjali, Satish Choudhary, Shailender Singh, Anju Puri, Ashish Deep Gupta, Mankesh Kumar, P Osman Basha, Trpta Jhang, Kuldeep Singh and HS Dhaliwal. (2012) Performance of Type 3 Basmati (Dehraduni basmati) with Xa21, xa13 and one semidwarfing gene sd-1 at Jhalawar, Rajasthan, National conference on “Emerging trends in biotechnology and pharmaceutical research”.
- Awasthi KK, John PJ, Awasthi Anjali, Verma R, Soni I. (2011) Hepatotoxicity of MWCNTs in Swiss albino mice in The 31st Annual Conference of Society of Toxicology (STOX) India & International Symposium on Current trends in Environmental Toxicology, organized by The IIS University, Jaipur, Dec. 22-24,.
- D Rajpurohit, R Kumar, J Pareek, M Kumar, A Puri, P Basha Osman, P Paul, Awasthi Anjali, T Zhang, K Singh and H S Dhaliwal. (2010) Pyramiding of bacterial blight resistance (Xa21 and xa13) and semidwarfing (sd-1) genes in Type 3 basmati using marker assisted selection, National symposium on “Perspective in the plant health management and 63rd annual meeting of IPS”.
- Prabhu Narayan Saxena, Chaturvedi Anjali (2010). Evaluation of dermal toxicity of Fast

Scarlet 4BS Dye on *Rattus norvegicus*, World Academy of Science, Engineering and Technology, 67: 1773-83.

14. Patents and Transfer of Technology:

Registration of Plant Germplasm, PGRC (ICAR), New Delhi (2011)

Deepak Rajpurohit, **Anjali Awasthi**, Priyanka Paul, Satish Kumar, Rahul Kumar, Kuldeep Singh, Harcharan S. Dhaliwal, Registration of high yielding pyramid lines of Type 3 Basmati with two bacterial leaf blight resistance and a semidwarfing gene using marker-assisted backcross breeding.