

NAME	Dr. Riti Thapar Kapoor	
DESIGNATION	Assistant Professor (II)	
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CONTACT NUMBER	9871248536	
RESEARCH INTERESTS	Environmental Biotechnology, Plant Physiology	

EDUCATIONAL QUALIFICATIONS:

Name of College / University	Degree	Year
University of Allahabad	B.Sc.	1998
R. D. University	M.Sc.	2001
University of Allahabad	Ph.D.	2005
Banaras Hindu University	Post - doctoral work	2006-2008

Title of Ph.D. thesis : Allelopathic effects of some weeds on the growth and metabolism of *Parthenium hysterophorus* L.

EXPERIENCE (in chronological order)

Designation	Type of post held (teaching/ research)	Name of the Institute	Year (From – To)
Lecturer	Teaching and research	Amity Institute of Biotechnology	2008-2011
Assistant Professor (I)	Teaching and research	Amity Institute of Biotechnology	2011-2013
Assistant Professor (II)	Teaching and research	Amity Institute of Biotechnology	2013-till date

No. of Ph.D. students supervised	Awarded: (no. only) - Nil
	Ongoing: (no. only) -01

PUBLICATIONS (15)	<ol style="list-style-type: none"> N.B. Singh and Riti Thapar (2002). Allelopathic effects of <i>Croton bonplandianum</i> on <i>Parthenium hysterophorus</i>. Allelopathy Journal. 10 (2): 163-170. N.B. Singh and Riti Thapar (2003). Allelopathic influence of <i>Cannabis sativa</i> on the growth and metabolism of <i>Parthenium hysterophorus</i>. Allelopathy Journal. 12(1): 61-70. Riti Thapar and N.B. Singh (2005). Allelopathic influence of leaf residue of <i>Amaranthus spinosus</i> on growth and metabolism of <i>Parthenium hysterophorus</i> L. Ecoprint. 12: 77- 84. Riti Thapar and N.B. Singh (2006). Effect of industrial effluent on the germination, seedling growth and metabolic parameters of pulses. New Agriculturist. 17: 51-55. Riti Thapar, Ashish Kumar Srivastava, Poonam Bhargava, Yogesh Mishra and L.C. Rai (2008). Impact of different abiotic stresses on growth, photosynthetic electron transport activity, nutrient uptake and enzyme activities of Cu-acclimated <i>Anabaena doliolum</i>. Journal
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of Plant Physiology. 165: 306-316.

6. Yogesh Mishra, Poonam Bhargava, Riti Thapar, Ashish Kumar Srivastava, Anjum Ara and L.C. Rai (2008). A comparative study of antioxidant defense system in the copper and temperature acclimated strains of *Anabaena doliolum*. World Journal of Microbiology and Biotechnology. 24 (12): 2997-3004.
7. Riti Thapar Kapoor (2012). *Parthenium hysterophorus* L. - A great threat to biodiversity and environment. Journal of Ecobiotechnology. 42(2):36-38.
8. Riti Thapar Kapoor and Kushagra Pathak (2012). An assessment of water quality index of Hindon river and its impact on the biomass and physiological behaviour of *Oryza sativa*. NeBIO, An International Journal of Environment and Biodiversity. 3(5): 5-10.
9. Riti Thapar Kapoor and Ashwani Kumar Srivastava (2013). Bioherbicidal potential of root extracts of *Tagetes minuta* against *Parthenium hysterophorus* L. International Journal of Innovations in Biological and Chemical Sciences. 4: 1-10.
10. Riti Thapar Kapoor (2014). The stimulating impact of elevated temperature on the growth and productivity of *Parthenium hysterophorus* L. Egyptian Journal of Biology. 16: 51-56.
11. Riti Thapar Kapoor (2015). Biosynthesis and characterization of silver nanoparticles from *Croton bonplandianum* Baill. and its antioxidant activity. International Journal of Pharmaceutical Research and Allied Sciences. 4(4): 39-44.
12. Riti Thapar Kapoor (2015). Evaluation of insecticidal potential of root extracts of *Rauvolfia tetraphylla* against *Musca domestica*. Romanian Journal of Plant Biology. 59-60(15-26).
13. Riti Thapar Kapoor (2016). Preliminary screening of phytochemical components of *Parthenium hysterophorus* leaves and study of autotoxic potential of *Parthenium* on its morphological parameters. International Journal of Health and Life Sciences. 2(1): 5-15.
14. Chanchal Malhotra, Riti Thapar Kapoor and Deepak Ganjewala (2016). Alleviation of abiotic and biotic stresses in plants by silicon supplementation. Scientia Agriculturae. 3(2): 59-73.
15. Chanchal Malhotra, Riti Thapar Kapoor and Deepak Ganjewala (2016). Protective role of sodium silicate against water stress in *Lycopersicon esculentum* Mill. International Journal of Pharma and Bio Sciences. 7(4):(B) 909- 917.

PATENTS (<i>total no.</i>)	Details: 1. Complete patent: (2637/DEL/2011) 2..Complete patent: (1271/DEL/2013)
RESEARCH PROJECTS Completed: (<i>total no.</i>) Ongoing: (<i>total no.</i>)	Ongoing : 01
AWARDS & HONOURS/ DISTINCTIONS	<ul style="list-style-type: none"> ➤ Merit scholarship holder from High school to M.Sc. ➤ Best paper presenter award in biochemistry section during the Silver Jubilee Conference of Indian Botanical Society along with the National Symposium on Biosciences: Advances, Impact and Relevance held at MJP Rohilkhand University, Bareilly. ➤ Microtech Junior Scientist Award (silver medal) during International Symposium on Microbial Diversity: Challenges, Opportunities and Relevance in New Millennium held at Rani Durgavati University, Jabalpur ➤ Receipt of the award of the Fellow of the Indian Botanical Society (FBS) for her outstanding research contributions in the field of plant physiology. ➤ DST (SERB) travel grant for attending International conference on Agriculture and Animal Sciences held in Colombo, Sri Lanka in 2013
MEMBERSHIP with Professional/ Academic bodies	<ol style="list-style-type: none"> 1.Life member of Indian Science Congress Association 2.Life member of Indian Botanical Society 3.Life member of Indian Society of Agricultural Biochemists 4.Life member of Indian Society of Plant Physiology.