



Name of the Faculty Member : Dr. Ranjana Jaiwal
Designation : Assistant Professor

A) Educational qualifications

Degree	Year of passing	University/Institution
Ph.D	1990	Banaras Hindu University, Varanasi
M.Phil.	1986	CCS University, Meerut
PG	1985	CCS University, Meerut
UG	1983	Agra University, Agra

B) Career Profile

Designation	Institution	Duration		
		From	To	To
Asstt. Professor (Regular)	Department of Zoology, M. D. University, Rohtak	2009 Date	to	till
Lecturer (Guest Faculty)	Advanced centre for Biotechnology M. D. University, Rohtak	2007	to	2009
DST-Women scientist	Advanced centre for Biotechnology M. D. University, Rohtak	2004	to	2007
Lecturer (Temporary)	AIJHM College, Rohtak	1997	to	1999
Post Doctorate (CSIR)	Department of Biosciences, M.D. University, Rohtak	1992	to	1997

C) Projects undertaken

S.N	Title of projects	Duration	Funding agency	Status	
				Completed	In progress
1.	“Neuro-endocrine regulation of seasonal reproduction in female	5-years	CSIR, New Delhi	Completed	

	Indian palm squirrel (<i>Funambulus pennanti</i>)”				
2.	Evaluation of transgenic mung bean seeds harbouring <i>Phaseolus Vulgaris</i> alpha amylase inhibitor gene for resistance to bruchid beetle	3-years	DST, New Delhi	Completed	
3.	Low cost production of Insulin for diabetic patients	3-years	UGC, New Delhi		In progress

D) Publications:

Impact Factor

8.324

SJR

1.118

1. **Jaiwal Ranjana**, Chaturvedi C M and Dubey L B (1988) Cloacal gland and testicular response of Japanese quail to male hormones and photoperiod interaction. **Trends Life Sci** 3: 1-6.
2. **Jaiwal Ranjana** and Chaturvedi C M (1988) Serotonergic and dopaminergic drugs in the regulation of seasonal reproduction of Indian Palm Squirrel, *Funambulus pennanti*. Proc. Natl. Symp. on Current Status of Gen. Comp. Endo. pp 76-77.
3. **Jaiwal Ranjana** and Chaturvedi C M (1990) Temporal synergism of neurotransmitter affecting drugs and seasonal reproductive responses of Indian Palm Squirrel, *Funambulus pennanti*. **J. Neural Transmission (Springer-Verlag)** 81: 31-40
4. **Jaiwal Ranjana** and Chaturvedi C M (1991) Elimination of testicular regression by 12 h temporal relationship of serotonergic and dopaminergic activity in Indian Palm Squirrel, *Funambulus pennanti*. **J. Neural Transmission (Springer-Verlag)** 84: 45-52.
5. **Jaiwal Ranjana** and Chaturvedi C M (1996) Seasonal and diurnal variations in the hormonal profile of thyroid in relation to gonadal cycle of Indian Palm Squirrel, *Funambulus pennanti*. **J. Environ. Biol.** 17: 93-100.
6. Sonia, **Jaiwal Ranjana** and Jaiwal P K (2007) Genetic Engineering for storage pest resistance. **Physiol. Mol. Biol. Plants**, 13: 101-113 (Springer Publ.)

7. Chowdhury S, Madanpotra S, **Jaiwal Ranjana**, Saini R, Kumar PA and Jaiwal P K (2007) *Agrobacterium tumefaciens* mediated high frequency genetic transformation of cowpea (*Vigna unguiculata*) and transmission of transgenes to progeny. **Plant Science**, 172:692-700. (**Elsevier Publ.**).
8. **Jaiwal Ranjana** (2010) Effect of altered adrenal function on seasonal reproduction of Indian Palm Squirrel (*Funanbulus pennanti*). Proc. Natl. Conf. on Environmental and health issues: In a changing climatic scenario, 254-262.
9. **Jaiwal Ranjana** (2010) Inter-relationship between the seasonal adrenal and gonadal cycles of male Indian Palm Squirrel, *Funanbulus pennanti*. Proc. Natl. Seminar Computing Life Raw to Refined: 210-214 (ISBN: 978-81-920945-0-2).
10. Dhayal D, Sharma A, Parasher H, **Jaiwal Ranjana** and Adak T (2011) Polypeptide profiling of Plasmodium infected and uninfected host plasma. Proc. Natl. Seminar on Internet: Applications in Research: 1-5 (ISBN: 978-81-920945-1-9).
11. **Jaiwal Ranjana** and Bharadwaj S (2011) Emerging applications of internet in endocrinology. Proc. Natl. Seminar on Internet: Applications in Research: 48-49 (ISBN: 978-81-920945-1-9).
12. **Jaiwal Ranjana** and Dhayal D (2012) Low cost production of Insulin for Diabetic patient. Proc. Natl. Seminar on Combating Diseases: Cause to cure: 45-49 (ISBN: 978-81-920945-2-6).
13. **Jaiwal Ranjana**, Dhayal D and Adak T (2012) Symbiotic gut bacteria of insects: disease control & future perspectives. Proc. Natl. Seminar on Combating Diseases: Cause to cure: 218-222 (ISBN: 978-81-920945-2-6)

Book chapters

14. Savita Dahiya, Choudhary D, **Jaiwal R** and Singh RP, Dhankher OP, Jaiwal P K (2008) Elemental Biofortification of crops plants. In: Plant Membrane and vacuolar transporters (Eds. Jaiwal P K, Singh R P and Dhankher O P). **CAB International, UK.**

E) Papers presented and Seminars / Conferences attended

1. Participated in 7th All India congress of Zoology and 3rd National convention of Indian Helminthologists. Dec.30th 1985-Jan.1st 1986.

Department of Zoology, Institute of Advanced Studies, Meerut University, Meerut.

2. **Presented a poster paper** Symposium on Recent Trends in Comparative Endocrinology. March 11-13, 1988. Centre for Advanced Studies in Zoology, Banaras Hindu University, Varanasi.
3. **Presented a poster paper** National Symposium on Current Status of General and Comparative Endocrinology. Nov. 25-27, 1988. Department of Zoology, University of Delhi, Delhi.
4. Participated in Eleventh National Symposium on Developmental Biology. March 25-27, 1995. Department of Biosciences, M. D. University, Rohtak.
5. Participated in BRPM Symposium on Environmental Management of Semi arid tropics with special reference to developing rural areas. Nov. 16-18, 1996 Department of Biosciences, M. D. University, Rohtak.
6. Participated in National Conference on Biotechnology, Aug. 20-21, 2007, Advanced Centre for Biotechnology, M. D. University, Rohtak.
7. Participated in National Seminar on Biodiversity: Concerns and Solutions. Nov. 20, 2009. Department of Botany, M. D. University, Rohtak.
8. Participated and act **as chairperson in one technical session** in Symposium on Emerging Trends in Biotechnology. Nov. 24, 2009. Department of Biotech., UIET, M. D. University, Rohtak.
9. Participated in Symposium on Molecular Medicine at Translational Crossroads. Dec. 15, 2009. Department of Biotech. & Molecular Medicine, PGIMS, Rohtak.
10. **Presented an oral paper** in National Seminar on Environmental Challenges: Sustainable Development. March 29-30, 2010. Department of Environmental Sciences, M. D. University, Rohtak.

11. **Participated as organizer and presented an oral paper** in National Seminar on “Computing Life: Raw to Refined”. March 27, 2010. Department of Zoology, M. D. University, Rohtak.
12. Participated in National Seminar on Environmental and Health Issues: In a changing climatic scenario. October 14-15, 2010. Department of Environmental Sciences, M. D. University Rohtak.
13. Participated in **India-Japan Seminar**. October 30, 2010. Department of Biochemistry. M. D. University, Rohtak.
14. **Presented a poster paper** in **International Conference** on “Frontiers in Reproductive Biotechnology”. February 9-11, 2011. National Dairy Research Institute. Karnal.
15. **Presented an oral paper** in National Conference on “Biodiversity: Challenges and Opportunities”. February 18-19, 2011. Department of Botany, M.D. University, Rohtak.
16. **Presented an oral paper** Twenty second National symposium on “Chronobiology”. March 15-17, 2011. Department of Zoology, Kurukshetra University, Kurukshetra.
17. **Participated as organizer** in National Seminar on “Internet: its application in research”. March 26, 2011. Department of Zoology, M.D. University, Rohtak.
18. Participated in 1st National Seminar on “Microbes and Resource Management”. October 22nd, 2011 by Association of Microbiologists of India-Rohtak unit, M.D. University, Rohtak.
19. Participated in National Seminar on “Molecular Techniques- The face of modern sciences”. October 24th, 2011. Department of Biochemistry. M. D. University, Rohtak.
20. **Participated as Science Exhibition organizer** in “Science Conclave-2011, Interaction of innovative young minds with eminent scientists”. December 2-3, 2011. M. D. University, Rohtak.

21. Participated in National Seminar on “Recent Advancements in Application of Genetics”. March 20th, 2012. Department of Biochemistry. M. D. University, Rohtak.
22. **Participated as joint organizer and presented an oral paper** in National Seminar on “Challenges in Combating Diseases: Cause to Cure”. March 23rd, 2012. Department of Zoology, M.D. University, Rohtak
23. Participated in 2nd National Seminar on “Microbes in Human Welfare”. March 24th, 2012 by Association of Microbiologists of India-Rohtak unit, M.D. University, Rohtak.
24. Participated in International Research Colloquium on advances in microbial biotechnology: future prospects (AMBF-2012). November 20th, 2012. Department of Microbiology, M.D. University, Rohtak
25. **Presented an oral paper** in National Conference on “NexGen Biotechnology amalgamating science and technology” November 23-24, 2012. Department of Biotechnology, UIET, Kurukshetra University, Kurukshetra.

Workshops Attended

1. National Workshop on “Microbial Diversity: Exploration and Perspectives” **May** 3-12, 2012. Department of Environmental Sciences, M.D.University, Rohtak.
2. Workshop on Reproductive Biomedicine. October 18-29, 2010. National Institute of Health and Family Welfare, New Delhi.
3. Workshop on Bioinformatics. September 14-16, 2010. Department of Biotech., M.D.University, Rohtak.
4. National workshop on Immobilized enzyme technology for sensors (NWIETS-07) Aug. 24-Sept 2, 2007. Faculty of Life Sciences, M. D. University, Rohtak.

5. National workshop on Solid State Nuclear Track Detectors, Oct 8-10, 1996. Conducted by Nuclear Track Society of India and Department of Chemistry, M.D.University, Rohtak