

## **Dr. (Mrs.) SUSHEELA BIJARNIA**

### **CAREER OBJECTIVES:**

- To get in your esteemed organization with a positive attitude and to work in an environment where growth is way of life, I am innovative, open to suggestions, work towards the attainment of my jobs and my organization's top goals.

### **EDUCATIONAL QUALIFICATIONS:**

- Secondary from RBSE, Ajmer with 77.27% in 1990
- Sr. Secondary from RBSE, Ajmer with 67.60% in 1992
- B.Sc. from Rajasthan University, Jaipur with 66.18% in 1995
- M.Sc. Zoology (Specialisation in Cell & Molecular Biology) from Rajasthan University, Jaipur with 73.17% in 1997
- NET (Life Science) from CSIR in 2002
- Ph.D. from Rajasthan University, Jaipur in 2003

### **PROFESSIONAL QUALIFICATIONS:**

- Basic Knowledge of Computer

### **TEACHING EXPERIENCE:**

- Lecturer in Zoology -Mohini Devi Goenka Girls College, Laxmangarh, Sikar in 1997-98.
- Lecturer in Biotechnology -Stani Memorial College, Jaipur in 2002-03
- Lecturer in Zoology- Kanoria P.G. MahilaMahavidyalaya in 2005-06
- Lecturer in Zoology- AlankarMahila P.G. Mahavidyalaya, Jaipur since 2010

## **SKILLS:**

- Ability to accept challenges and dealing with difficult behaviour
- Responsible
- Hardworking
- Self-Motivated

## **LANGUAGES KNOWN:**

- Hindi
- English

## **PUBLICATIONS:**

1. Bedwal R.S., Bedwal S., Nair N. and Saini M.R. (2004): Free radicals and antioxidant defence systems in reproduction. *Reproductive Biology* (Ed R. Mathur, Asha Mathur & S. Shukla) Chapter 25 pp 323-384. (Deep & Deep Publications, New Delhi).
2. N. Nair, S. Bedwal, S. Prasad, M.R. Saini and R.S. Bedwal (2005): Short-term zinc deficiency in diet, induces increased oxidative stress in testes and epididymis of rats. *Indian J. Exptl. Biol.* 43:786-794.
3. S. Bedwal, N. Nair, M.R. Saini and R.S. Bedwal (2005): Lipid peroxidation, glutathione and metallothionein levels in testes of zinc deficient Wistar rats. *SFRR-India Bulletin*, 4:18-22.
4. Prasad S., Bedwal S., Nair N. and Bedwal R.S. (2007): Superoxide dismutase in caput and cauda epididymis of Wistar rats fed on zinc deficient diet. *Embryo Talk*, 2:77-83.

5. Neena Nair, Susheela Bedwal, Deepa Kumari, Sunita Bedwal and R.S. Bedwal (2008) Effect on histological and sperm kinetic parameters in DBP exposed Wistar rats. *J. Environ.Biol.*, 29(5) : 769-772.
6. Bedwal S, Prasad S, Nair N, Saini M.R. and Bedwal R.S. (2008): Catalase in testes and epididymis of Wistar rats fed on zinc deficient diet. *J. Pharmaceut.Sci.*
7. Neena Nair, Deepa Kumari, Susheela Bedwal, Seema Prasad, Ranjana Agarwal, Sangeeta Joshi and Ranveer Singh Bedwal (2014) Effect of Di-n-Butyl phthalate on the Epididymal antioxidant system of Wistar rats. *IJPSR*, 5(12) : 5288-5292.

### **CONFERENCES/ SEMINARS/ ABSTRACTS:**

1. Neena Nair, R.S. Bedwal, S. Bedwal and R. Agarwal (2003): Lipid peroxidation and antioxidant capacities in epididymis of di-butyl phthalate treated albino Wistar rats. National Symposium on Molecular Modulation by Oxidative stress and cell function. Deptt. of Biophysics, Punjab University, Chandigarh (20<sup>th</sup>-22<sup>nd</sup> Nov. 2003).
2. S. Bedwal, N. Nair, M.R. Saini and R.S. Bedwal (2003): Lipid peroxidation, glutathione and metallothionein levels in testes of zinc deficient Wistar rats. International Conference on role of Free Radicals and Antioxidants in Health and Disease and 2<sup>nd</sup> Annual Conference of Society of Free Radical Research-India, Deptt. of Biochemistry, C.S. M. Medical University, Lucknow (10<sup>th</sup> -12<sup>th</sup> Feb., 2003).
3. N. Nair, S. Bedwal, S. Prasad, and R.S. Bedwal (2005): Catalase and Superoxide dismutase activity in epididymis of di-n-butyl phthalate treated Wistar rats. International Conference on Male Reproduction and Fertility.

Department of Molecular Reproduction, Development and Genetics, Indian Institute of Science, Bangalore (16<sup>th</sup>-18<sup>th</sup> Sept., 2005)

4. Neena Nair, Susheela Bedwal, Deepa Kumari, Sunita Bedwal and R.S. Bedwal (2005): Short-term exposure of di-n-butyl phthalate on Wistar rats: Histological and sperm kinetics. National conference on Environment and disaster management, Department of Zoology, University of Rajasthan, Jaipur (28<sup>th</sup>-30<sup>th</sup> Nov., 2005)
5. Neena Nair, Susheela Bedwal, Deepa Kumari, Sunita Bedwal and R.S. Bedwal (2007) Effect of NiCl<sub>2</sub> in testes of Wistar rats : Histological, sperm kinetics and biochemical study. Conference on Recent Advances and Challenges in Reproductive Health Research and 17<sup>th</sup> Annual Meeting of the Indian Society for the study of Reproduction and Fertility (ISSRF), Division of Reproductive Health and Nutrition. (19<sup>th</sup>-21<sup>st</sup> Feb., 2007)
6. Neena Nair, Susheela Bedwal, Seema Prasad, Sunita Bedwal, Sangeeta Joshi, Deepa Kumari and R.S. Bedwal (2008): Di-n-butyl phthalate and epididymis : Effect on Antioxidant redox system and trace element zinc. International Conference on "Free Radicals & Natural Products in Health" (FRNPH-2008) and 'Seventh Annual Meeting of the Society of Free Radical Research India'-Centre for Advanced Studies, Department of Zoology, University of Rajasthan, Jaipur (14<sup>th</sup>-16<sup>th</sup> February, 2008)
7. Workshop on Virtual demonstration of Animal dissection using software. Department of Zoology, IIS University, Jaipur (10<sup>th</sup> February, 2017)
8. National Seminar on Innovative approaches in Biosciences. Deptt. of Biotechnology, Botany and Zoology, Kanoria P.G. MahilaMahavidyalaya, Jaipur (15<sup>th</sup>-16<sup>th</sup> Dec., 2017)
9. International Conference on Environmental changes and their impact on plants and human health, St. Wilfred's P.G. College, Jaipur (15<sup>th</sup>-17<sup>th</sup> January, 2018)

10. Seema Jacob and Susheela Bijarnia (2019): Role of Zinc in reproductive & sexual health in Wistar rats. National conference on changes in life style influencing adolescent health. S.S. Jain Subodh P.G. (Autonomous) College, Jaipur (28<sup>th</sup>-29<sup>th</sup> Sept., 2019).
11. Online Faculty Development Programme on “ICT: Instructional Design, Development and Learning Analytics”. Kirori Mal College, University of Delhi (24<sup>th</sup>-30<sup>th</sup> July, 2020).
12. National Conference on Impact of Climate Change on Socio-Economic and Biological aspects of life (ICCSEBA). Department of Zoology and Botany, Seth R. L. Saharia Government P.G. College, Kaladera, Jaipur (23<sup>rd</sup>-24<sup>th</sup> April, 2021).
13. e-Workshop on ‘Virtual Labs: Learning Digitized’. LBS Government College, Kotputli, Jaipur (15<sup>th</sup> June, 2021).
14. International e-Conference on “Career Opportunities in Zoology”. Department of Zoology, M.S.J. Government P.G. College, Bharatpur, Rajasthan (30<sup>th</sup> July, 2021).
15. National Webinar on “Scope of Wildlife Biology”. Department of Zoology, Dhempe College of Arts and Science, Miramar, Goa (12<sup>th</sup> August, 2021).