

Department of Biotechnology
Guru Ghasidas Vishwavidyalaya, Bilaspur (C.G)

Dr. RENU BHATT, Ph.D.
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EDUCATIONAL QUALIFICATION:

- **Ph.D.** Zoology, Banaras Hindu University, Varanasi, India.
- **M.Sc.** Zoology, Garhwal University, India
- **B.Sc.** Zoology, Botany and Chemistry, Garhwal University, India

ACADEMIC POSITION HOLD

- Dean, School of Life Sciences, GGV, Bilaspur
- Member Academic Council member, GGV, Bilaspur
- Head, Department of Biotechnology, GGV, Bilaspur
- Chairman, Departmental Research Committee, Dept. of Biotechnology, GGV, Bilaspur
- Chairman, Member of Departmental Purchase Committee, Dept. of Biotechnology, GGV, Bilaspur
- VC nominated Member of UGC and DBT project in Zoology , Botany and Rural Technology, GGV, Bilaspur
- Chairman, Departmental board of studies, Dept. of Biotechnology, GGV, Bilaspur

AWARDS:

- **Exchange program visitor**, Department of Animal Science, MN, USA.
- **Young Scientist Project Award**, Department of Science and Technology, New Delhi, India
- **Pool Scientist Award**, CSIR, New Delhi, India
- **Research Associate Award**, CSIR, New Delhi, India
- **Pre doctoral Fellowship Award**, Department of Atomic Energy, Trombay, India

Ongoing Research projects:

- Exploring Fungal diversity from selected area of Assam Using Biochemical and Molecular Approach for Industrially Important Bio-molecules. Twining Project DBT
 - (CO-PI). 2012-2015.
- CCOST Project ‘Phytochemical investigation of *Moringa oliefera* plant extract and its protective role on cisplatin nephrotoxicity’. 2015-2017.

Research Guidance:

- Total No. of Ph.D. Students awarded: 06 (Two students have submitted Ph.D. thesis)

PROFESSIONAL EXPERIENCE:

- **Associate Professor**, Department of Biotechnology, Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh, India (2011-Present)
- **Consultant**, Center for Nanobiotechnology and Life Science Research, Alabama State

University, Montgomery, AL, USA (2011)

- **Research Faculty**, Department of Psychology, Neuroscience Program, Florida State University, Tallahassee, FL, USA (2008-2010)
- **Postdoctoral Fellow**, Department of Pediatrics, Medical College of Wisconsin, Milwaukee, WI, USA (2005-2008)
- **Research Associate**, Department of Medicine, University of Arkansas for Medical Science, Little Rock, AR, USA (2002-2005)
- **Post-doctoral Associate**, Department of Animal Science, University of Minnesota, St. Paul, MN, USA (2000-2002)
- **Pool Scientist**, Council of Scientific and Industrial Research [CSIR], New Delhi, India.

PROFESSIONAL MEMBERSHIP

- **Member**, Society for Neuroscience, USA (2008-2010)
- **Member**, Society for Behavioral Neuro-endocrinology, USA (2009-2010)
- **Member**, American Association for the Advancement of Science, USA (2003-2005)
- **Life member**, Society for Reproduction Biology and Comparative Endocrinology (Since 1992)
- **Life member**, Indian Science Congress (Since 2015)

Selected Publications:

- S.K.Panigrahy, A.Kumar, **R.Bhatt** (2017): Antioxidant scavenging potential of Hedychium coronarium rhizomes. Journal of food science and technology (in press).
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- Neha Pandey, **R.Bhatt**(2017): Improved biotransformation of arsenic by arsenite oxidase-chitosan nanoparticles conjugates. IJBM (In press).
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- Pandey, N and **Bhatt, R** (2016): Arsenic removal and biotransformation potential of Exiguobacterium isolated from arsenic rich soil of Central India. 44(2), 211-218
- Bhang K, Chaturvedi V, **Bhatt R** (2016). Feather degradation potential of *Stenotrophomonas maltophilia* KB13 and feather protein hydrolysate (FPH) mediated reduction of hexavalent chromium. 3Biotech. 6:42 Springer
- Bhang K, Chaturvedi V, **Bhatt R** (2015). Potential biofilm dispersal by a partially purified keratinase produced by *Stenotrophomonas maltophilia* strain Kb2. Biocatalysis and Agricultural Biotechnology 4: 801-805 Elsevier
- Pandey, N and **Bhatt, R** (2015): *Exiguobacterium* mediated arsenic removal and its protective effect against arsenic induced liver toxicity in *Channa striata*. Toxicology Report. 2:1367-1375
- Gil, M. **Bhatt, R.** Picotte, K .B. and Hull, E.M (2011): Oxytocin in the medial preoptic area facilitates sexual behavior in the male rat. Horm and behav. Apr 59(4): 435-43
- Nagothu, K.K. **Bhatt,R.** Kaushal,G.P and Portilla, D. (2005): Fibrates ameliorate cisplatin-induced proximal tubule cell death. Kidney Int. 68(6):2680-93
- Li, S. **Bhatt, R**, Megyesi, J. Gokden N, Shah, V S and Portilla, D. (2004): PPAR alpha ligand ameliorates acute failure by reducing cisplatin-induced increased expression of renal

endonuclease G. Am J Physiol Renal Physiol. Nov287(5): F990-F999

- Li, S. Gokden, N. Okusa, M.D. **Bhatt, R.** and Portilla, D. (2005): Anti-inflammatory effect of fibrate protects from cisplatin-induced ARF. Am J Physiol Renal Physiol. 289(2): F469-80.
- Drew, P.D. Chavis, J.A. and **Bhatt, R.** (2003): Sex steroid regulation of microglial cell activation: Relevance to multiple Sclerosis. Annals New York Acad. Sci 1007:329-334
- **Bhatt, R.** Youngren, O.M. Kang, S. and El, Halawani, M.E. (2003): Dopamine infusion into the third ventricle increases gene expression of hypothalamic vasoactive intestinal peptide and pituitary prolactin and luteinizing hormone β subunit in the turkey. Gen. Comp. Endocrinology. 130: (1) 41-47
- **Bhatt, R.** and Chaturvedi, C.M. (1992): Effects of combined serotonin and dopamine precursor application during testicular photosensitivity Vs photorefractoriness of the Red headed bunting (*Emberiza bruniceps*). J. Interdiscipl. Cycle Res. 23: 120-127. Swets & Zeitlinger, The Netherlands

Book Chapter:

- Manoj K. Mishra^{*1}, Erdal Erglou², Sapna Jain², Shree R Singh², Udai P. Singh, **Renu Bhatt**, Shree Ram Singh (2012): Role of TGF β and Regulatory T Cells in Prostate Cancer In: Signaling, Gene Regulation and Cancer Nova Science Publishers, Inc., New York
- **Renu Bhatt**^{1*}, Vinoy Thomas², Derrick Dean³, Elijah Nyairo⁴ and Manoj Mishra^{5*} (2012): Role of PPARs as Chemotherapeutics and Anticancer molecules. In: Signaling, Gene Regulation and Cancer Nova Science Publishers, Inc., New York (in press)

(Dr. Renu Bhatt)