

## CURRICULUM VITAE

### Dr. Amita Suneja Dang

Assistant Professor  
Centre for Medical Biotechnology  
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#### Academic Achievements:

- ❖ Ph.D. 2007, Department of Biosciences, M.D.University, Rohtak.(Haryana)
- ❖ CSIR JRF- NET, Dec 2000.
- ❖ M.Sc. (Zoology), 2000 ,M.D.University, Rohtak.
- ❖ B.Sc. (Medical), 1998 from M.D.University, Rohtak

#### Teaching Experience: 12 years

Designation	Institution Served	Duration	
		From	To
Lecturer	Govt.College,Sector-11, Chandigarh	07/08/2006	06/03/2007
Lecturer	Govt. College for Girls, Sector-42,Chandigarh	10/07/2007	31/03/2008
Lecturer	Govt. College for Girls, Sector-42,Chandigarh	05/07/2008	27/03/2009
Lecturer	Govt. College for Girls, Sector-42,Chandigarh	05/07/2009	06/03/2010
Assistant Professor (Medical Biotech)	Centre for Medical Biotechnology, M.D.University, Rohtak	18/9/2010	Till date

Research Experience : 13 years

Research Area : Molecular Epidemiology and Diagnostics

#### Research Guidance (PhD):

Ongoing : Two  
Completed : Two

#### Research Projects:

- ❖ Co-PI in the Interdisciplinary life science (IPLS) program for advance research and education for ‘Proteomic analysis of malaria parasite and its vector under different physiological conditions’ granted by DBT, New Delhi. (Completed)
- ❖ “To study the association of IL-18 serum level with polycystic ovary syndrome” under Radha Krishanan fund 2013-2014 (Completed)
- ❖ “Evaluating the role of rs2414096 polymorphism in predisposition of Polycystic Ovary Syndrome” under Radha Krishanan fund 2017-2018. (Ongoing).

## Publications

- ❖ Richa Bhatnager, Maheshwar Bhasin, **Amita Suneja Dang** (2018). Comprehensive analysis of damage associated SNPs of MMP9 gene: A computational approach. Computational Biology and Chemistry, doi.org/10.1016/j.compbiolchem.2018.09.008
- ❖ Richa Bhatnager, **Amita Suneja Dang** (2018). Comprehensive in-silico prediction of damage associated SNPs in Human Prolidase gene. Scientific reports, 8(1):9430.
- ❖ Richa Bhatnager, Smiti Nanda, **Amita Suneja Dang** (2018). Plasma prolidase levels as a biomarker for polycystic ovary syndrome. Biomarkers in medicine, 6(0). 4.
- ❖ Richa Bhatnager, Smiti Nanda, **Amita Suneja Dang** (2018). The role of rs267606943 polymorphism in the prolidase gene and plasma prolidase in polycystic ovary syndrome. British journal of biomedical science, 2018;1-3.
- ❖ Richa Bhatnager, Mehek Dangi, **Amita Suneja Dang** (2018). Comprehensive analysis of damage associated single nucleotide polymorphisms of sex hormone binding globulin gene. Journal of Applied Biology and Biotechnology, 6(05): 1-11
- ❖ Ritu Deswal, Smiti Nanda and **Amita Suneja Dang** (2018). Unveiling the association between Vitamin D Receptor and Poly Cystic Ovary Syndrome-a systematic review and meta-analysis. Accepted in International journal of Vitamin and nutrition research
- ❖ Ritu Deswal, Arun Yadav and **Amita Suneja Dang** (2018). Sex hormone binding globulin-an important biomarker for predicting PCOS risk: A systematic review and meta-analysis. Systems biology in reproductive medicine, 64(1), 12-24.
- ❖ Richa Bhatnager, Ranjeet Kaur, Twinkle Dahiya and **Amita Suneja Dang** (2017). Computational prediction of damage associated non synonymous SNPs of CYP17A1 and CYP19A1 gene. International Journal of Trend in Scientific Research and Development, 1(6), 635-646.
- ❖ Shyama Sharma, Sanjiv Kumar, Sumit Tahlan, **Amita Suneja Dang** and Balasubramanian Narasimhan. (2016). QSAR Studies of Thiazolidinone Derivatives as Antimicrobial Agents. Der Pharma Chemica, 8(12), 236-246
- ❖ Richa Bhatnager, Smiti Nanda and **Amita Suneja Dang** (2016). Increased Prolidase Level and Altered Hormonal Profile in Women with Poly Cystic Ovarian Syndrome. International Journal of Biotechnology and Biomedical Sciences, 2(2); 103-106
- ❖ Vandana Saini, Sween, Vishal, **Amita Suneja Dang** and Ajit Kumar (2016). Molecular Dynamics and Docking Simulation Studies of Human Voltage Gated Sodium Channel against Neurotoxins. J Drug Des Res. 3(1)1022.
- ❖ Vandana Saini, Sakshi Piplani,, **Amita Suneja Dang**, Ajit Kumar. (2016). CoMFA, CoMSIA and Docking Studies of Saquinavir Based Peptidomimetic Inhibitors of HIV-1 Protease. Current Enzyme Inhibition 12(2)161-169
- ❖ Divya Sharma, Manila Lather, CL Dykes, **Amita Suneja Dang**, T Adak, OP Singh OP. (2015). Disagreement in genotyping results of drug resistance alleles of the *Plasmodium falciparum* dihydrofolate reductase (*Pfdhfr*) gene by allele-specific PCR (ASPCR) assays and Sanger sequencing. Parasitology Research, DOI 10.1007/s00436-015-4750-2.
- ❖ Manila Lather, O.P Singh, **Amita Suneja Dang** and T. Adak. (2015). Isolation and characterization of polymorphic microsatellite markers from malaria vector *Anopheles fluviatilis* T (Diptera: Culicidae). Journal of Medical Entomology 52(3)408-412.
- ❖ Divya Sharma, Manila Lather, Mallick PK, **Amita Suneja Dang**, T Adak, N Valecha, OP Singh. Polymorphism in drug resistance genes dihydrofolate reductase and dihydropteroate

synthase in *Plasmodium falciparum* in some states of India. Parasites & Vectors, 8:471, DOI 10.1186/s13071-015-1080-2(2015).

- ❖ Divya Sharma , Manila Lather, T Adak , **Amita Suneja Dang** (2015). Allele-specific PCR (ASPCR) assays for the detection of mutations in dihydropteroate synthase gene of plasmodium falciparum are highly unreliable. Journal of international academic research for multidisciplinary (5).
- ❖ Richa Bhatnager, Reena Rani and **Amita Suneja Dang** (2015). Antibacterial activity of *Ferula asafoetida*: a comparison of red and white type. Journal of Applied Biology & Biotechnology, 3(2) DOI: 10.7324/JABB.2015
- ❖ Pooja Suneja P and **Amita Suneja Dang** (2014). Probiotics. Proceedings National Seminar “Next Generation Science: vision 2020 & Beyond” March 8, 2014. Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana)
- ❖ **Amita Suneja Dang** and Pooja Suneja (2014). Gut microbiota, major health concern: A Review Proceedings National Seminar “Next Generation Science: vision 2020 & Beyond” March 8, 2014. Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana)
- ❖ **Amita Suneja Dang** and Ritu Deswal (2014). Prevalence of Depression in Women with Polycystic Ovary Syndrome (PCOS) Research & Reviews: A Journal of Biotechnology Volume 4, Issue 3 11-16
- ❖ **Amita Suneja Dang** and Ritu Deswal (2014). The Metabolic Syndrome - Time for addressal. J. of Health Research and reviews. vol.1 (3) 59-65
- ❖ Ritu Deswal, **Amita Suneja Dang** and Smiti Nanda (2014). Prevalence of Polycystic ovary syndrome (PCOS) in north Indian women Indian J of Health and wellbeing. 5, Issue 6, 742-744
- ❖ **Amita Suneja Dang**, Preeti Madan, and Ajit Kumar (2013). Primary characterization of staining effects of *Lawsonia inermis* extracts on plant tissues. Proceedings National Seminar “Promising trends in Science Galaxy” March 20, 2013. Department of Zoology, Maharshi Dayanand University, Rohtak (Haryana)

#### **Membership of Academic bodies:**

- ❖ Life Member of Indian Science Congress
- ❖ Life Member of Association of Microbiologists, India
- ❖ Life Member of The Biotech Research Society, India

**Amita Suneja Dang**