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Education Background

PhD Biotechnology: Jawaharlal Nehru Technological University, Hyderabad, India and NRC for Plant Biotechnology (NRCPB), IARI, New Delhi, India

MTech Biotechnology: Jawaharlal Nehru Technological University, Hyderabad, India,

Research Experience

2007 to date Research Associate, University of Missouri, Columbia, MO,
Postdoctoral, University of Missouri-Kansas City, MO

Honors and Awards

Qualified National Eligibility Test (NET) by Agricultural Scientists Recruitment Board (ASRB)
Senior Research Fellowship (SRF): Agricultural Scientist Recruitment Board (ASRB)
MR4 Travel Award -" Vivax Malaria Research: 2005 and Beyond" conference

Publications

Full Length Paper

1. **Verma Anju**, Tamas Kapros, and Jakob H. Waterborg (2011) Identification of a replication-independent replacement histone H3 in the basidiomycete *Ustilago maydis*. J Biol Chem. 2011 July 22; 286(29): 25790–25800.
2. Vikrant Nain, Shakti Sahi, **Anju Verma** (2010). CPP-ZFN: a potential DNA-targeting anti-malarial drug. Malaria Journal **9**:258 (16 September 2010). (**Designated "Highly Accessed" by Malaria Journal**). [PubMed](#)
3. Hema Joshi, Surendra K Prajapati, **Anju Verma**, Simon Kanga and Jane M Carlton (2008). *Plasmodium vivax* in India. Invited review. Trends in Parasitology 24:5, 228-235. [PubMed](#) **Invited reviews**
4. Prajapati SK, **Anju Verma**, A Tridibes, SY Rajpal, A Kumar, Alex Eapen, Manoj K Das, Neeru Singh, Surya K Sharma, Moshahid A Rizvi, AP Dash and Hema Joshi (2006). Allelic dimorphism of *Plasmodium vivax gam-1* in the Indian subcontinent. Malaria Journal 5:90. [PubMed](#)
5. Hema Joshi, Neena Valecha, **Anju Verma**, Asha Kaul, Prashant K Mallick, Surendra K Prajapati, S.K. Sharma, Vas Dev, Sukla Biswas, Nutan Nanda, MS Malhotra, SK Subbarao and AP Dash (2007) Genetic structure of *Plasmodium falciparum* field isolates in eastern and Northeastern India. Malaria Journal 6:60. [PubMed](#)

Book Chapter

6. Michael Gardner*, **Anju Verma***, Melissa G. Mitchum. Emerging Roles of Cyst Nematode Effectors in Exploiting Plant Cellular Processes (2015). Advances in Botanical Research, Eds: Carolina Escobar & Carmen Fenoll. Volume 73, March 2015, Pages 259–291. (*Equal contribution)
7. **Anju Verma** (2013). Principles and Applications, Animal Biotechnology: Models in Discovery and Translation. Hardbound ISBN 978-0-12-416002-6 chapter 12. Eds: Verma, Ashish, and Anchal Singh. Animal Biotechnology: Models in Discovery and Translation. Academic Press.
8. Anchal Singh, Ashish Swarup Verma, Priyadarshini Mallick and **Anju Verma**. Animal Biotechnology: In Vitro Approaches. Animal Biotechnology: "Biotechnology: Progress and Prospects Eds: SM Paul Khurana and Machiavelli Singh (2015), Studium Press LLC, Texas, US" ISBN: 1-62699-059-X and ISBN: 978-162699-059-3

Oral Presentations

1. Paper entitled "30D08: A Novel Nematode Effector Targets Host Nuclear Functions". University of Missouri, March 20th 2015.
2. Paper entitled "Analysis of a Cyst Nematode Effector Protein Targeting Host Nuclear Functions. IMPNIG meeting, Iowa State University, Ames, Iowa. Dec 4-5, 2014.
3. Paper entitled "Characterization of the nuclear-targeted effector 30D08" Anju Verma, 19th IMPNIG Meeting – Iowa State University, Ames, Iowa. May 26-28, 2013.
4. Paper entitled "The Cyst Nematode 30D08 Effector Targets Host Nuclear Functions" Anju Verma, 11th US SPIT Meeting · University of Missouri, October 29-30, 2012.
5. Paper entitled "Regulated gene expression studies of RC and RI histone H3 variants in *Ustilago maydis*. Anju Verma, 32nd Annual International Asilomar Chromatin & Chromosomes Conference, Asilomar Conference Grounds Pacific Grove, CA December 9-12, 2010.
6. Paper entitled "Polymorphism in Indian isolates of *Plasmodium vivax*". Anju Verma at 5th Joint Annual Conference of Indian Society for Malaria and Other Communicable Diseases and Indian Association of Epidemiologist, Delhi. 19-21 Nov 2004.

Patents published

1. A process for recovery of correctly folded proteins from inclusion bodies. Ananda Kumar, Vikrant Nain and **Anju Verma**, (No.837/DEL/2011A), Publication Date: 29th April 2011. The Patent Office Journal, Part I.
2. Methods and compositions for regeneration of pigeonpea (*cajanus cajan* L.millisp). Ananda Kumar, Vikrant Nain, **Anju Verma** and Neeraj Kumar, (No. 665/DEL/2011 A), Publication Date: 8th April 2011. The Patent Office Journal, Part I.
3. Methods and medium for identification of recombinant protein expressing host microorganisms. Ananda Kumar, Vikrant Nain and **Anju Verma** (No. 667/DEL/2011) Publication Date: 23rd Sept 2011. The Patent Office Journal, Part I

Accession Numbers Acquired

DQ485417, DQ485418, DQ485419, DQ485420, DQ485421, DQ485422, DQ485423, DQ485424, DQ485425, DQ485426, DQ485427, DQ485428, DQ485429, DQ485430, DQ485431, DQ485432, DQ485433, DQ485434, DQ485435, DQ485436, DQ485437, DQ485438, DQ485439, DQ485440, DQ485441, DQ485442, DQ485443, DQ485444, DQ485445, DQ485446, DQ485448, DQ485449, DQ485450, DQ485451, DQ026699, DQ026700, DQ026701, DQ026702, DQ673860, DQ673861, DQ673862, DQ673863, DQ673864, DQ673865, DQ673866, DQ673867, DQ673868, DQ673869.