

JAYITA THAKUR



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ACADEMIC QUALIFICATIONS

PhD (Life Sciences) [Degree Awaited]
Virology laboratory
National Institute of Immunology, New Delhi
Supervisor: Prof. Sudhanshu Vрати
Thesis title: “*Studies on Japanese Encephalitis virus protein interaction with viral and host proteins*”

JRF (Life sciences) [2005-2007]
Molecular Genetics Laboratory
National Institute of Immunology, New Delhi
Supervisor: Dr. Sher Ali
Research title: “*Molecular characterization of satellite tagged transcribing sequences from the human sperm*”

M.Sc. (Molecular and Human Genetics) [2002-2004]
Molecular and Human genetics, Banaras Hindu University, Varanasi

B.Sc. (Biotechnology) [1999-2002]
Lady Amritbai Daga (L.A.D.) College, University of Nagpur, Nagpur

PUBLICATIONS:

1. Malik D, Singh S, **Thakur J**, Kishore R, Kapur A, Nijhawan S, Co-Author, Microbial Fuel Cell: Harnessing Bioenergy from Yamuna Water (2014) 3 (6): 1076-1081., Research Paper, International Journal of Science and Research.
2. Sunita Singh, Darshan Malik, **Jayita Thakur**, Amarjeet Kaur, Raj Kishore Singh and, Shashi Nijhawan A Comparative Analysis of the Physico-chemical Properties and Heavy Metal Pollution In Three Major Rivers Across India. International Journal of Science and Research (2014) Vol. 3(8):1936-41
3. Darshan Malik, **JayitaThakur**, Sunita Singh, Raj Kishore Singh, Anita Kapur, Amarjeet Kaur, Shashi Nijhawan, Anil Kumar. Nanocomposite Electrode Microbial Fuel Cell: A

Promising Technology for Enhanced Power Generation from Yamuna Water (2014), Research Paper, International Journal of Science and Research.

4. **Jayita Thakur**, Darshan Malik, Shashi Nijhawan and Sunita Singh, Co- Author, Situating Women in modern Science: The India Scenario, Mini Review, Journal of Academic Research for Multidisciplinary.

AWARDS AND FELLOWSHIPS:

1. **1st Prize for best oral presentation** in IC-LIFE 2014. International Conference on Life Sciences, Informatics Food and Environment. Organised by Jaypee Institute of Information Technology. (New Delhi, India)
2. **1st Prize for poster presentation** in Epicon-2014. International Conference on Epilepsy: Opportunities and Challenges (2014). Sri Guru Teg Bahadur Khalsa College. University of Delhi. (New Delhi, India)
3. Qualified Fellowship Exam for **Junior Research Fellow** held by Council for Industrial & Scientific Research (CSIR).
4. Selected through All India Entrance examination for PhD held by National Institute of Immunology (2005).

PROJECT RESEARCH EXPERIENCE

1. Biochemical assessment of toxic heavy metals in bacterial strain growing in the polluted water: A step towards Bioremediation. (2013-15). Innovation Project, Department of Biochemistry, Shivaji College, Delhi University.
2. Molecular Characterization of sperm mRNA transcripts from the normal, oligospermic and azoospermic human males. (2005-2007). Molecular Genetics Lab, National Institute of Immunology.
3. A screen for the detection of *Rab 11* mutation in retinal degenerative diseases of human. (2003-2004). Dissertation Project (B.H.U. Varanasi).
4. Identification of Single Nucleotide Polymorphisms associated with Parkinson's Disorder. (2002). Summer trainee, Department of Genetics, South Campus, Delhi University.

CONFERENCES ATTENDED:

1. Epicon-2014. International Conference on Epilepsy: Opportunities and Challenges (2014). Sri Guru Teg Bahadur Khalsa College. University of Delhi. (New Delhi, India)
2. IC-LIFE 2014. International Conference on Life Sciences, Informatics Food and Environment. Organised by Jaypee Institute of Information Technology. (New Delhi, India)

3. International symposium on “Vaccines: from discovery to translation”.(2011). Organised by National Institute of Immunology (New Delhi, India).
4. 5th Indo-Australian. Conference on Medical Biotechnology (2007). Organised by the National Institute of Immunology and The Australian High Commission. (New Delhi, India)
5. Human viruses and translational medicine (2007). Organized by the National Institute of Immunology (New Delhi, India).

WORKSHOPS/CAMPS ATTENDED

1. Yamuna awareness camp. (2014) Department of Biochemistry, Shivaji College, Delhi University.
2. Training Programme for Fluorescence-Activated Cell Sorting (FACS). (2010). Organized by National Institute of Immunology.
3. Hemophilia camp. (2004) First-hand experience of haemophilia patients and their management. BHU, Varanasi.