

## **AcSIR-IITR students awarded Ph.D. Degree/Provisional Certificate**

- **Ms. Gulshan Singh** (Registration No. 10BB11J22024)  
**Name of Supervisor** – Dr. Rishi Shanker, Former Chief Scientist  
**Stream:** Biological Sciences  
**Title of the Thesis:** Development of Molecular Techniques for the Rapid Culture-Free Detection of Bacteria in Environment  
**Year of Award** – 2013
- **Mr. Alok Kumar Verma** (Registration No. 10BB11J22025)  
**Name of Supervisor** – Dr. P.D. Dwivedi, Principal Scientist  
**Stream:** Biological Sciences  
**Title of the Thesis:** Allergenicity assessment of GM and non-GM crops  
**Year of Award** – 2014
- **Ms. Ruchi Roy** (Registration No. 10BB11J22016)  
**Name of Supervisor** – Dr. P.D. Dwivedi, Principal Scientist  
**Stream:** Biological Sciences  
**Title of the Thesis:** Immunomodulatory potential of Zinc Oxide nanoparticles  
**Year of Award** – 2014
- **Mr. Abhay Bajaj** (Registration No. 10BB11A22002)  
**Name of Supervisor** – Dr. N. Manickam, Senior Principal Scientist  
**Stream:** Biological Sciences  
**Title of the Thesis:** Custom oligonucleotide array based profiling of catabolic genes and microbial communities involved in biodegradation of organic pollutants  
**Year of Award** – 2014
- **Ms. Neetika Rani** (Registration No. 10BB11J22022)  
**Name of Supervisor** – Dr. K.C. Gupta, Former Director  
**Stream:** Biological Sciences  
**Title of the Thesis:** Molecular Tools for the Detection of Bacterial Pathogens in Aquatic Environment  
**Year of Award** – 2014



- Mr. Ratnasekhar Ch (Registration No. 10CC11J22030)  
**Name of Supervisor** – Dr. M.K.R. Mudiam, Senior Scientist  
**Stream:** Chemical Sciences  
**Title of the Thesis:** Metabolic investigation of the effect of xenobiotics on human and model organisms  
**Year of Award** – 2015
- Mr. Abhishek Chauhan (Registration No. 10CC11J22031)  
**Name of Supervisor** – Dr. M.K.R. Mudiam, Senior Scientist  
**Stream:** Chemical Sciences  
**Title of the Thesis:** Synthesis and application of molecularly imprinted polymers for the selective determination of biotransformed and/or bioactive substances in complex samples  
**Year of Award** – 2015
- Mr. Arun Kumar Singh (Registration No. 10CC11J22032)  
**Name of Supervisor** – Dr. Kr. P. Singh, Former Chief Scientist  
**Stream:** Chemical Sciences  
**Title of the Thesis:** Synthesis, characterization and application of zero-valent metallic nanoparticles in water decontamination  
**Year of Award** – 2015
- Ms. Shikha Gupta (Registration No. 10CC11J22033)  
**Name of Supervisor** – Dr. Kr. P. Singh, Former Chief Scientist  
**Stream:** Chemical Sciences  
**Title of the Thesis:** Modelling and Optimization of Synthetic Dyes Removal from Aqueous Solution using Nano-composites  
**Year of Award** – 2015
- Mr. Shashi Kant Tiwari (Registration No. 10BB11J22001)  
**Name of Supervisor** – Dr. Rajnish Chaturvedi, Scientist  
**Stream:** Biological Sciences  
**Title of the Thesis:** Cellular and Molecular Mechanism of Xenoestrogen Bisphenol-A Mediated Effects on Neurogenesis: Neuroprotection by Curcumin  
**Year of Award** – 2015



- Ms. Rupender Kumari (Registration No. 10CC11J22029)  
**Name of Supervisor** – Dr. D.K. Patel, Senior Scientist  
**Stream:** Chemical Sciences  
**Title of the Thesis:** Designing and development of miniaturized extraction techniques for organic contaminants  
**Year of Award** – 2015
- Ms. Premanjali Rai (Registration No. 10CC11J22028)  
**Name of Supervisor** – Dr. Kr. P. Singh, Former Chief Scientist  
**Stream:** Chemical Sciences  
**Title of the Thesis:** Development, Characterization and Application of Magnetic Carbon for Removal of Pharmaceuticals from Water  
**Year of Award** – 2015
- Ms. Sadaf Jahan (Registration No. 10BB11J22004)  
**Name of Supervisor** – Dr. A.B. Pant, Senior Scientist  
**Stream:** Biological Sciences  
**Title of the Thesis:** Signaling cascade molecules involved in *trans*-Resveratrol induced neuronal differentiation in human umbilical cord blood derived mesenchymal stem cells  
**Year of Award** – 2015
- Ms. Snigdha Misra (Registration No. 10BB11J22017)  
**Name of Supervisor** – Dr. K. Ravi Ram, Senior Scientist  
**Stream:** Biological Sciences  
**Title of the Thesis:** Development of *Drosophila* as an alternative to animal models for assessment and understanding of male reproductive toxicity of xenobiotics  
**Year of Award** – 2015
- Ms. Sonal Agrawal (Registration No. 10BB11J22009)  
**Name of Supervisor** – Dr. M.P. Singh, Principal Scientist  
**Stream:** Biological Sciences  
**Title of the Thesis:** Mitochondrial proteomics to decipher the mechanism of cypermethrin-induced nigrostriatal dopaminergic neurodegeneration  
**Year of Award** – 2015



- Ms. Nidhi Shrivastava (Registration No. 10BB11J22015)  
**Name of Supervisor** – Dr. Ashwani Kumar, Former Chief Scientist  
**Stream:** Biological Sciences  
**Title of the Thesis:** Studies on the evaluation of Hexachlorocyclohexane-dehydrochlorinase LinA variants in the metagenome of a contaminated soil  
**Year of Award** – 2015



- Ms. Fatima Rizvi (Registration No. 10BB11J22007)  
**Name of Supervisor** – Dr. Poonam Kakkar, Chief Scientist  
**Stream:** Biological Sciences  
**Title of the Thesis:** Redox homeostasis and ROS induced signaling during hepatocellular toxicity  
**Year of Award** – 2015



- Mr. Lokesh Kumar Baweja (Registration No. 10BB11J22020)  
**Name of Supervisor** – Dr. Alok Dhawan, Director  
**Stream:** Biological Sciences  
**Title of the Thesis:** Studies on the Interactions of Carbon-Based Nanomaterials with Biomolecules  
**Year of Award** – 2015

