

- 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 , Senior 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 , Senior 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 , Senior 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 , Principal 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 , Principal Scientist
 Name of Co-supervisor – Dr. Vinay Kumar Khanna , Senior Principal 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 signalling during hepatocellular toxicity
Year of Award – 2015



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



- Ms. Swati Chandra (Registration No. 10BB11J22014)
Name of Supervisor – Dr. D. Kar Chowdhuri , Chief Scientist
Stream: Biological Sciences
Title of the Thesis: Studies on role(s) of microRNA(s) against Chromium induced stress in Drosophila
Year of Award – 2015



- Mr. Sanjay Mishra (Registration No. 10BB11J22018)
Name of Supervisor – Dr. Yogeshwer Shukla , Chief Scientist
Name of Co-supervisor- Dr. Satyakam Patnaik , Scientist
Stream: Biological Sciences
Title of the Thesis: Study to Decipher the Regulatory Role of miRNAs in Breast Cancer Pathogenesis.
Year of Award – 2016



- Ms. Satya Sahay (Registration No. 10BB12J22011)
Name of Supervisor – Dr. Krishna Prabha Gupta, Senior Principal Scientist
Stream: Biological Sciences
Title of the Thesis: Evaluation of Molecular Mechanisms of Transplacental Lung Tumor Development in Mouse Model and its Prevention by Inositol Hexaphosphate.
Year of Award – 2016



- Mr. Vinod Kumar (Registration No. 10BB11J22010)
Name of Supervisor – Dr. Chetna Singh , Principal Scientist
Stream: Biological Sciences
Title of the Thesis: A study on the zinc-induced nigrostriatal dopaminergic neurodegeneration: Biochemical and molecular approaches.
Year of Award – 2016



- Ms. Swati Agarwal (Registration No. 10BB12J22015)
Name of Supervisor – Dr. Rajnish Chaturvedi , Senior Scientist
Stream: Biological Sciences
Title of the Thesis: Cellular and Molecular Mechanism(s) of Xenoestrogen Bisphenol-A Mediated Effects on Autophagy and Mitochondrial Dynamics in the Rat Brain.
Year of Award – 2016



- Mr. Prakash Tiwari (Registration No. 10BB12J22009)
Name of Supervisor – Dr. Krishna Prabha Gupta , Senior Principal Scientist
Stream: Biological Sciences
Title of the Thesis: Study of epigenetic, apoptotic and cell survival pathways during the development of 7, 12 dimethylbenz[a]anthracene induced mouse skin tumors and their response towards the antitumor agents alone or in combination as a function of time.
Year of Award – 2016



- Mr. Shankar Suman (Registration No. 10BB11J22006)
Name of Supervisor – Dr. Yogeshwer Shukla , Chief Scientist
Name of Co-supervisor - Dr. Satyakam Patnaik , Scientist
Stream: Biological Sciences
Title of the Thesis: Integrated proteomic and metabolomic approaches for biomarker detection in Breast Cancer.
Year of Award – 2016



- Mr. Amit Kumar Chauhan (Registration No. 10BB11J22019)
Name of Supervisor – Dr. Chetna Singh , Principal Scientist
Stream: Biological Sciences
Title of the Thesis: A study on the inflammatory and apoptotic mechanisms involved in zinc induced dopaminergic neurodegeneration in rat.
Year of Award – 2016



- Mr. Abhishek Jauhari (Registration No. 10BB12A22003)
Name of Supervisor – Dr. Sanjay Yadav , Scientist
Name of Co-supervisor - Dr. A.B. Pant , Principal Scientist
Stream: Biological Sciences
Title of the Thesis: Studies on the Regulation and Role of microRNAs in Brain Development and Neurotoxicity.
Year of Award – 2016



- Mr. Sandeep Mittal (Registration No. 10BB11J22027)
Name of Supervisor – Dr. Alok K. Pandey , Senior Scientist
Stream: Biological Sciences
Title of the Thesis: Cellular and Molecular Mechanisms of Metals and Carbon based nanomaterials (CNMs) induced Toxicity.
Year of Award – 2016



- Ms. Prachi Tewari (Registration No. 10BB12J22014)
Name of Supervisor – Dr. Mukul Das , Former Chief Scientist
Name of Co-supervisor - Dr. Anurag Tripathi , Scientist
Stream: Biological Sciences
Title of the Thesis: Immunomodulatory potential of Benzanthrone, a textile dye intermediate: Prevention by N-acetyl cysteine.
Year of Award – 2016



- Mr. Saroj Kumar Amar (Registration No. 10BB11J22021)
Name of Supervisor – Dr. R. S. Ray , Senior Principal Scientist
Name of Co-supervisor - Dr. A.B. Pant, Principal Scientist
Stream: Biological Sciences
Title of the Thesis: Photosensitizing mechanism of sunscreen ingredients at environmental UV- radiation.
Year of Award – 2017



- Ms. Akansha Sharma (Registration No. 10BB12A22006)
Name of Supervisor – Dr P.D. Dwivedi , Senior Principal Scientist
Stream: Biological Sciences
Title of the Thesis: Allergenicity assessment of genetically modified/native mustard and role of Src kinases in mast cell signalling.
Year of Award – 2017



- Ms. Shruti Goyal (Registration No. 10BB12J22003)
Name of Supervisor – Dr. R. S. Ray , Senior Principal Scientist
Name of Co-supervisor - Dr. A.B. Pant , Principal Scientist
Stream: Biological Sciences
Title of the Thesis: Study of phototoxicity mechanism and gene expression by dyes used in hair color and lipstick.
Year of Award – 2017



- Ms. Anushruti Ashok (Registration No. 10BB11J22011)
Name of Supervisor – Dr. Sanghamitra Bandyopadhyay , Senior Scientist
Stream: Biological Sciences
Title of the Thesis: Characterization of Alzheimer's disease pathogenesis through chronic exposure to As, Cd and Pb-mixture.
Year of Award – 2017



- Ms. Pallavi Singh (Registration No. 10BB12J22007)
Name of Supervisor – Dr. D. Kar Chowdhuri , Chief Scientist
Stream: Biological Sciences
Title of the Thesis: Studies on the role of sestrin in environmental chemical induced cellular adversities in Drosophila melanogaster.
Year of Award – 2017



- Mr. Girish Rai (Registration No. 10BB11A22001)
Name of Supervisor – Dr. Yogeshwer Shukla , Chief Scientist
Name of Co-supervisor - Dr. Satyakam Patnaik , Scientist
Stream: Biological Sciences
Title of the Thesis: Combinatorial anticancer effects of Resveratrol and selected chemotherapeutic drugs in breast cancer.
Year of Award – 2017



- Ms. Sushma (Registration No. 10BB12J22002)
Name of Supervisor – Dr. Iqbal Ahmad , Chief Scientist
Stream: Biological Sciences
Title of the Thesis: Cellular and biochemical studies on the safety evaluation of micro- and nano- scale quartz mineral particles.
Year of Award – 2017



- Ms. Vandana Sharma (Registration No. 10BB11J22013)

Name of Supervisor –Dr. Ravi Ram Kristipati , Senior Scientist

Stream: Biological Sciences

Title of the Thesis: Development of Drosophila based model for the evaluation of endocrine disruption potential of xenobiotics.

Year of Award – 2017



- Mr. Yogesh Kumar Dhuriya (Registration No. 10BB12A22008)

Name of Supervisor –Dr. Vinay Kumar Khanna , Senior Principal Scientist

Stream: Biological Sciences

Title of the Thesis: Molecular Mechanisms of Neurotoxicity of Lambda-cyhalothrin in Developing Rats.

Year of Award – 2017



- Ms. Deepali Singh (Registration No. 10BB12J22016)

Name of Supervisor Dr. Chetna Singh , Principal Scientist

Stream: Biological Sciences

Title of the Thesis: A study on the role of inflammatory mediators in maneb and paraquat-induced toxicity in rat polymorphonuclear leukocytes.

Year of Award – 2017



- Mr. Nagendra Kumar Rai (Registration No. 10BB11J22012)

Name of Supervisor Dr. Sanghamitra Bandyopadhyay , Senior Scientist

Stream: Biological Sciences

Title of the Thesis: A study on As, Cd and Pb mixture-mediated demyelination and axonal damage of the developing rat brain white matter, optic nerve and retina leukocytes.

Year of Award – 2017

