

ICMR Awards & Prizes 2019

CITATIONS



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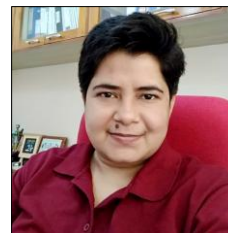


ICMR BASANTI DEVI AMIR CHAND PRIZE

2019

CITATION

DR. BUSHRA ATEEQ



ICMR Basanti Devi Amir Chand Prize is the earliest instituted award of ICMR, founded in 1953 by (Late) Major General Amir Chand for the significant research contributions made by scientists in the field of biomedical sciences. This prize is awarded to a research scientist engaged in any area of biomedical sciences. The award for the year 2019 is being presented to Dr. Bushra Ateeq, Associate Professor, Department of Biological Science & Bioengineering, Indian Institute of Technology, Kanpur for her research work in the field of “Biomedical Sciences”.

Dr. Bushra Ateeq has made significant contributions in the field of prostate cancer pathogenesis and therapeutics, leading to perhaps the first molecular characterization study of Indian prostate cancer, which impacted clinical decision-making, diagnosis, and selection of therapeutic intervention. Dr. Ateeq’s seminal discoveries focused on alternative therapeutic strategies for advanced-stage disease are clinically significant with huge translational potential.



ICMR SHAKUNTALA AMIR CHAND PRIZE

2019

CITATION

DR. KEERTI JAIN



ICMR Shakuntala Amir Chand Prize was instituted in 1953 by (Late) Major General Amir Chand for significant research contribution by young scientists in biomedical sciences. This prize is awarded for the best published research work on any subject in the field of biomedical science including clinical research. The award for the year 2019 is being presented to Dr. Keerti Jain, Assistant Professor, Department of Pharmaceutics, Delhi Pharmaceutical Sciences and Research University, New Delhi in the field of “Clinical Research”.

Dr. Jain has successfully explored various ligand conjugated dendrimers for targeted delivery of drugs. The uniqueness of her research work includes designing of nanocarriers which can be used to deliver the drug molecule selectively to target site in a controlled and sustained manner with simultaneous immunostimulatory and anti-angiogenic activity, separately, exhibited by ligand conjugated dendrimers.

ICMR SHAKUNTALA AMIR CHAND PRIZE

2019

CITATION

DR. MANOJ GARG



ICMR Shakuntala Amir Chand Prize was instituted in 1953 by (Late) Major General Amir Chand for significant research contribution by young scientists in biomedical sciences. This prize is awarded for the best published research work on any subject in the field of biomedical science including clinical research. The award for the year 2019 is being presented to Dr. Manoj Garg, Associate Professor & Ramalingaswami Fellow, Amity Institute of Molecular Medicine & Stem Cell Research, Amity University, Noida, in the field of “Clinical Research”.

Dr. Garg has established the potential role of Laminin Subunit Gamma 2 (LAMC2) in the pathogenesis and metastasis of pancreatic ductal adenocarcinoma (PDAC) using *in-vitro* and xenograft model system and opened the doors therapeutic targeting of LAMC2 in PDAC and other human malignancies. Also, LAMC2 can be used as a biomarker in combination with CA19.9 for early diagnosis of PDAC.



ICMR SHAKUNTALA AMIR CHAND PRIZE

2019

CITATION

DR. WAHAJUDDIN



ICMR Shakuntala Amir Chand Prize was instituted in 1953 by (Late) Major General Amir Chand for significant research contribution by young scientists in biomedical sciences. This prize is awarded for the best published research work on any subject in the field of biomedical science including clinical research. The award for the year 2019 is being presented to Dr. Wahajuddin, Principal Scientist, Division of Pharmaceutics & Pharmacokinetics, CSIR-Central Drug Research Institute, Lucknow, in the field of "Clinical Research".

Dr. Wahajuddin's research work has opened up new vistas in the area of pharmacokinetics & biopharmaceutics of new drug discovery and development research. He has reported pharmacokinetics guided therapeutic outcome studies using mechanistic experimental approaches for several drug candidate molecules in biological systems mainly in malaria and osteoporosis therapeutic indications.

ICMR SHAKUNTALA AMIR CHAND PRIZE

2019

CITATION

DR. SUSANTA KAR



ICMR Shakuntala Amir Chand Prize was instituted in 1953 by (Late) Major General Amir Chand for significant research contribution by young scientists in biomedical sciences. This prize is awarded for the best published research work on any subject in the field of biomedical science including clinical research. The award for the year 2019 is being presented to Dr. Susanta Kar, Senior Scientist, Molecular Parasitology and Immunology Division, CSIR-Central Drug Research Institute, Lucknow, in the field of “Clinical Research”.

Dr. Susanta Kar’s work focussed on deciphering the strategies by which *Leishmania donovani* exploits negative regulators of host immune cell signalling to achieve prolonged immunosuppression. Additionally, his research in alignment with “Healthy India” mission, has unfolded a wide breadth of novel chemical scaffolds and immunomodulators that have anti-leishmanial potential in benefitting patients of visceral leishmaniasis.



ICMR AMRUT MODY UNICHEM PRIZE

2019

CITATION

DR. SURINDER SINGH RANA



ICMR Amrut Mody Unichem Prize was instituted by Unichem Laboratories in 1985. This prize is awarded to a scientist for the research work carried out in the field of Gastroenterology/Cardiology/Neurology/Maternal & Child Health/Chest Diseases. The award for the year 2019 is being presented to Dr. Surinder Singh Rana, Professor, Department of Gastroenterology, Postgraduate Institute of Medical Education and Research, Chandigarh, for the research work in the field of “Gastroenterology”.

Dr. Rana has developed various innovative endoscopic and endoscopic ultrasound methods for treating various pancreatic diseases with minimally invasive methods. He has perhaps reported first time descriptions of clinical and imaging features of various pancreatic disorders. He has distinguished himself with creative and innovative applications in the field of pancreatology for improving diagnostic and therapeutic options.

**ICMR DR. H. B. DINGLEY MEMORIAL AWARD
2019**

CITATION

DR. SURESH KUMAR



ICMR Dr. H. B. Dingley Memorial Award was instituted in 1988 by Smt. Deepika Kumar in memory of her father (Late) Dr. H. B. Dingley and is awarded each year to an Indian scientist with outstanding contributions in the field of Paediatrics. The H. B. Dingley Memorial Award for the year 2019 is being presented to Dr. Suresh Kumar, Assistant Professor, Department of Paediatrics, Postgraduate Institute of Medical Education and Research, Chandigarh, for the research work in the field of "Paediatrics".

Dr. Suresh Kumar's research work focused on the role of probiotics in critically-ill children.' His research demonstrated that the use of multi-strain probiotics resulted in a significant reduction in pro-inflammatory cytokines and increase in anti-inflammatory cytokines (modulation of inflammation) among critically-ill children with severe sepsis; and reduction in *Candida* colonization in the gastrointestinal tract, invasive candidiasis, and candiduria among critically ill children on broad-spectrum antibiotics.



**ICMR PRIZE FOR BIOMEDICAL RESEARCH FOR SCIENTISTS
BELONGING TO UNDERPRIVILEGED COMMUNITIES**

2019

CITATION

DR. P. GOPINATH



ICMR Prize for Biomedical Research for Scientists belonging to Underprivileged Communities was instituted by the ICMR in 1983 for scientists who belong to under privileged communities and have contributed significantly to any field of biomedical sciences. The prize for 2019 is being presented to Dr. P. Gopinath, Associate Professor, Department of Biotechnology, Indian Institute of Technology, Roorkee, for the research work in the field of “Biomedical Sciences”.

Dr. P. Gopinath’s research group at the Indian Institute of Technology (IIT), Roorkee has synthesised fluorescent carbon dots from rosy periwinkle plant leaves that can be used as nanotags for detecting and killing cancer cells. This is an economical and green way to produce fluorescent carbon dots from the leaves of a common medicinal plant. This work has theranostic (therapeutic and diagnostic) potential for cancer diagnosis and therapy.



**ICMR PRIZE FOR BIOMEDICAL RESEARCH
CONDUCTED IN UNDERDEVELOPED AREAS**

2019

CITATION

PROF. ANSUMAN PANIGRAHI



The ICMR Prize for Biomedical Research Conducted in Underdeveloped Areas was instituted by the ICMR in 1983 for scientists who have contributed significantly to any field of biomedical sciences and is granted for the work carried out in underdeveloped areas of the country. The prize for year 2019 is being presented to Dr. Ansuman Panigrahi, Professor, Community Medicine, Kalinga Institute of Medical Sciences, Bhubaneswar, for the research work in the field of “Biomedical Sciences”.

Prof. Panigrahi’s research focus involves slum population which includes nutritional status of slum children; mental health status of slum women; adaptive functioning or developmental status of girl children residing in slum areas; breastfeeding practices among slum women; and tobacco products marketed in slum areas.

ICMR JALMA TRUST FUND ORATION AWARD

2019

CITATION

DR. D. NAGESWARA RAO



The JALMA Trust Fund Oration Award was Instituted with funds donated by the Japan Leprosy Mission for Asia to commemorate the Mission's work on leprosy in India and is granted to a scientist for his outstanding contributions in the field of Leprosy and other Mycobacterial diseases. The award for 2019 is being presented to Dr. D. Nageswara Rao, (Ex. Professor, AIIMS, New Delhi) for the research work on "Leprosy".

Dr. Rao's research work focused on the T-Reg cells which produced TGF-beta and IL-10 cytokines leading to immune suppression in leprosy patients. Gene polymorphism of TH1-TH2-TH3-TH17 associated genes showed over-expression of the ubiquitination pathway, leading to degradation of T-cell signaling molecules. Again IL-35 produced by B & T-Reg cells have high expression of PD-1 and its ligand PD-L1 on APC, causing immune suppression in these patients.



ICMR MAJOR GENERAL SAHEB SINGH

SOKHEY AWARD

2019

CITATION

DR. IRA PRAHARAJ



ICMR Major General Saheb Singh Sokhey Award was instituted in 1988 in accordance with the will of Major General Saheb Singh Sokhey and is granted to a scientist for his/her outstanding contributions in the field of communicable diseases, significantly adding to the existing knowledge in the field. The award for the year 2019 is being presented to Dr. Ira Praharaj, Scientist-E, Division of Epidemiology and Communicable Diseases, ICMR Hqrs., New Delhi, for the research work in the field of “Communicable Diseases”.

Dr. Praharaj has contributed significantly in studying the role of asymptomatic infection by enteropathogens and gut inflammation in the impaired immune response to oral vaccines, specifically the oral poliovirus vaccine and oral rotavirus vaccine among infants and children in low and middle income settings in India. Her work has also shown the inhibitory role of these viruses in the immune response to oral vaccines.



ICMR SMT. KAMAL SATBIR AWARD

2019

CITATION

DR. VISHVANATH TIWARI



ICMR Smt. Kamal Satbir Award was instituted in 1987 by Commodore Satbir, AVSM, I.N. (Retd.) in the memory of wife Smt. Kamal, for significant research contribution by young scientists in biomedical sciences. This prize is awarded for the best published research work in the field of non-tuberculous Chest Diseases, especially Respiratory Allergy and Chronic Obstructive Lung Diseases pertaining to mechanism and causation of the diseases, their prevention and/or management. The award for the year 2019 is being presented to Dr. Vishvanath Tiwari, Assistant Professor, Department of Biochemistry, Central University of Rajasthan, Ajmer, for the research works in the field of “Non-tuberculous Chest Diseases”.

Dr. Tiwari has worked on therapeutics development against bacterial pathogen *Acinetobacter baumannii* that causes hospital-acquired infections. He has developed inhibitors targeting essential proteins of this bacterium, and designed a chimera vaccine against this pathogen. Moreover, he has designed hybrid nanoparticles inhibiting their interaction with human pulmonary cell line.



ICMR DR. J. B. SRIVASTAV ORATION AWARD

2019

CITATION

DR. SACHIN KUMAR



ICMR Dr. J. B. Srivastav Oration Award was instituted in 1978 by Mrs. J. Srivastav in memory of her husband (Late) Dr. J. B. Srivastav, former Director General of Health Services. It is an award for the work carried out by a scientist in the field of virology. The award for the year 2019 is being presented to Dr. Sachin Kumar, Associate Professor, Department of Biosciences and Bioengineering, Indian Institute of Technology, Guwahati, for the research work in the field of “Virology”.

Dr. Sachin has done pioneering research work towards understanding the Newcastle disease virus (NDV) biology and its genomic characterization. He has engineered recombinant NDV as a viral vector to express foreign antigens for vaccine development against human and animal pathogens. The work is of broad application to the scientists working in the field of vaccine development.



ICMR DR. PREM NATH WAHI AWARD

2019

CITATION

DR. BENU BRATA DAS



ICMR Dr. Prem Nath Wahi Award was instituted in 1990 by (Late) Dr. P. N. Wahi, Former Director General, ICMR, for significant contributions made by a scientist in the field of basic and/or clinical cytology and/or preventive oncology. The award for the year 2019 is being presented to Dr. Benu Brata Das, Associate Professor, School of Biological Sciences, Indian Association for the Cultivation of Science, Jadavnagar, for the research work in the field of “Preventive Oncology”.

Dr. Benu Brata Das’s research work showed the role of two independent genes as potential anticancer target: Protein Arginine Methyl Transferase 5 (PRMT5), an epigenetic factor and Poly(ADP-ribose) polymerases (PARP1) in the repair pathway of Topoisomerase 1 (Top1) trapped-DNA breaks induced by anti-cancer drugs used in the clinics.



**ICMR CHATURVEDI GHANSHYAM DAS JAIGOPAL
MEMORIAL AWARD**

2019

CITATION

DR. RITESH AGRAWAL



ICMR Chaturvedi Ghanshyam Das Jaigopal Memorial Award was instituted in 1985 by Dr. S. P. Chaturvedi in memory of his parents. This prize is awarded to a scientist for his/her work in the field of Immunology. The award for the year 2019 is being presented to Dr. Ritesh Agrawal, Professor, Department of Pulmonary Medicine, Postgraduate Institute of Medical Education and Research, Chandigarh for the research work in the field of “Immunology”.

Dr. Ritesh Agarwal has been doing pioneering research in allergic bronchopulmonary aspergillosis (ABPA). Dr. Agarwal has made significant contributions in ABPA on the epidemiology and burden of the disease in asthma and cystic fibrosis and the futility of inhaled and high-dose corticosteroids in treating this condition.

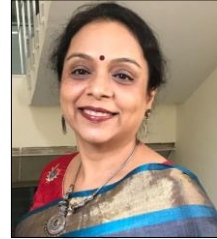


ICMR SMT. SWARAN KANTA DINGLEY ORATION AWARD

2019

CITATION

DR. SRABANI MUKHERJEE



ICMR Smt. Swaran Kanta Dingley Oration Award was instituted in 1984 by Dr. H. B. Dingley in the memory of his wife Smt. Swaran Lata Dingley. This prize is awarded to an Indian scientist for outstanding contribution in the field of Reproductive Biology. The award for the year 2019 is being presented to Dr. Srabani Mukherjee, Scientist-F, Molecular Endocrinology Department, ICMR-National Institute of Research in Reproductive Health, Mumbai, for the research work in the field of “Reproductive Biology”.

Dr. Mukherjee has contributed considerably to the field of ovarian biology with particular emphasis on the pathophysiology of Poly Cystic Ovary Syndrome (PCOS) using a multifaceted approach of genomics, proteomics and epigenomics. Dr. Mukherjee’s work has thrown light on the role of many dysregulated processes contributing to aberrant folliculogenesis and increased risk to PCOS and its reproductive and cardiometabolic derangements. The study could serve as a useful resource for development of biomarkers for oocyte quality, IVF techniques and female infertility.



ICMR-CNMC STS EXCELLENCE AWARD

2019

CITATION

DR. AKSHAY THIMMAPPAIAH JAGADEESH



ICMR-Calcutta National Medical College (CNMC) Short Term Studentship (STS) Excellence Award was initiated by the CNMC Alumni Association, Kolkata in the year 2015. This award is conferred upon a MBBS student who has been awarded ICMR-STs fellowship and published a research paper in an indexed journal as the first author. The ICMR-CNMC STS Excellence Award for the year 2019 is being awarded to Dr. Akshay Thimmappaiah Jagadeesh, Kasturba Medical College, Manipal Academy of Higher Education, Manipal, for his STS research work on “Clinical Diabetes”.

Dr. Jagadeesh’s research work identified a dysbiotic bacterial cutaneous flora among type-2 diabetes mellitus patients using routinely available microbial cultures. The study findings warrant future prospective studies into the clinical utility of classifying diabetes with or without dysbiotic flora *vis-à-vis* skin infection risk.



ICMR-CNMC STS EXCELLENCE AWARD

2019

CITATION

DR. MUDITA JOSHI



ICMR-Calcutta National Medical College (CNMC) Short Term Studentship (STS) Excellence Award was initiated by the CNMC Alumni Association, Kolkata in the year 2015. This award is conferred upon a MBBS student who has been awarded ICMR-STs fellowship and published a research paper in an indexed journal as the first author. The ICMR-CNMC STS Excellence Award for the year 2019 is being awarded to Dr. Mudita Joshi, Mahatma Gandhi Institute of Medical Sciences, Kasturba Health Society, Sewagram, Wardha, for her STS research work on “Maternal Health”.

Dr. Joshi’s major research objective was to find out the magnitude of maternal depression among mothers of infants who attended immunization clinic and observe its association with infant-feeding practices and nutritional status of infants. Burden of maternal depression was found to be high (19%) and was significantly associated with non-responsive feeding practices.

ICMR-CNMC STS EXCELLENCE AWARD

2019

CITATION

MR. ROHIT VISHWANATH R.V.



ICMR-Calcutta National Medical College (CNMC) Short Term Studentship (STS) Excellence Award was initiated by CNMC Alumni Association, Kolkata in 2015. This award is conferred upon a MBBS student who has been awarded ICMR-STs fellowship and published a research paper in an indexed journal as the first author. The ICMR-CNMC STS Excellence Award for the year 2019 is being awarded to Mr. Rohit Vishwanath R.V., Chettinad Hospital and Research Institute, Chennai, for his STS research work on “Child Health”.

The research work done by Mr. Vishwanath gives an insight into the various pathogenic organisms that are harboured in the hands of school going children that can act as a possible source of infection. A matrix of questionnaire regarding the hand washing practice of students was collected and analysed. The work highlights the importance and awareness of hand wash practice among children.



ICMR-CNMC STS EXCELLENCE AWARD

2019

CITATION

DR. VENKATA KRISHNA VAMSI GADE



ICMR-Calcutta National Medical College (CNMC) Short Term Studentship (STS) Excellence Award was initiated by the CNMC Alumni Association, Kolkata in the year 2015. This award is conferred upon a MBBS student who has been awarded ICMR-STs fellowship and published a research paper in an indexed journal as the first author. The ICMR-CNMC STS Excellence Award for the year 2019 is being awarded to Dr. Venkata Krishna Vamsi Gade, Jawaharlal Institute of Postgraduate Medical Education and Research, Puducherry, for his STS research work on “Autoimmune Diseases”.

Dr. Gade’s research work observed a significant rise in systemic inflammation as seen by elevated C-reactive protein (CRP) levels and lowered vitamin-D levels in patients with *Alopecia areata* (AA), which is a type of non-scarring, recurrent patchy hair loss of autoimmune origin. And it was found that the study correlated with disease severity as compared with controls.



ICMR-CNMC STS EXCELLENCE AWARD

2019

CITATION

DR. YASH MITTAL



ICMR-Calcutta National Medical College (CNMC) Short Term Studentship (STS) Excellence Award was initiated by the CNMC Alumni Association, Kolkata in the year 2015. This award is conferred upon a MBBS student who has been awarded ICMR-STs fellowship and published a research paper in an indexed journal as the first author. The ICMR-CNMC STS Excellence Award for the year 2019 is being awarded to Dr. Yash Mittal, All India Institute of Medical Sciences, New Delhi, for his Short-Term Studentship (STS) research work on “Child Health”.

The research carried out by Dr. Mittal was aimed at usage of a triage tool, severe sepsis protocol, and increasing the number of nurses in the emergency department, as part of a quality improvement initiative which resulted in earlier recognition of severe sepsis and substantial reduction in time to administration of first dose of antibiotics in children with severe sepsis.