

Indo-Australia Early and Mid-Career Researchers Fellowship Programme 2016-2017
(Supported by the Department of Science & Technology, Govt. of India)

List of Selected Candidates

Sl. No.	Apl. No.	Names, Age & Address	Duration of Visit	Name & Address of Host(s)	Title of the project
1	1	Dr. Syed G. Dastager (39) Scientist, National Chemical Laboratory, Pune, Maharashtra	6 months	Prof Rob Capon The University of Queensland, Brisbane, Australia	Chemical screening: A novel anti-infective secondary metabolites and a drug discovery prospect from untapped novel marine actinomycetes
2	4	Dr. Kaushik Banerjee (40) Scientific Officer -F Variable Energy Cyclotron Centre, Kolkata, West Bengal	9 months	Prof. David Hinde Australian National University, Canberra, Australia	Study of fusion fission dynamics to search for the suitable entrance channel for the formation of super heavy elements
3	7	Dr. Debargha Banerjee (35) Assistant Professor Department of Mathematics Indian Institute of Science Education and Research Pune, Pune, Maharastra	3 months	Dr. Alexandru Ghitzu The University of Melbourne, Parkville, Australia	Galois Representation associated to Siegel Modular forms
4	42	Dr. Santosh Kumar Tiwari (41) Assistant Professor Department of Genetics Maharshi Dayanand University Rohtak, Haryana	6 months	1. Dr. Fasseli Coulibaly Associate Professor (Research) Deptt. of Biochemistry and Molecular Biology, Monash University, Melbourne, Australia 2. Prof. Sanjay Patole (Co-host) Department of Neonatal Paediatrics, KEM Hospital for Women, Subiaco City of Perth, Western Australia	Purification and X-ray Crystallography of bacteriocins produced by <i>Lactobacillus</i> <i>plantarum</i> LD1 and <i>Enterococcus hirae</i> LD3

5	45	Dr. Charu Lata (34) INSA-YS 2014 Scientist, Division of Plant-Microbe Interactions, CSIR-National Botanical Research Institute, Lucknow Uttar Pradesh	3 months	Prof. Robert Henry Professor of Innovation in Agriculture, Director of QAAFI, University of Queensland, Brisbane, Australia	Analysis of Heat Stress Response Genes in the Developing Wheat Seed Using IsoSeq Transcripts
6	51	Dr. Bijaya Kumar Sahoo (39) Associate Professor Physical Research Laboratory, Navragpura, Ahmedabad Gujarat	9 months	Prof. Victor V. Flambaum Scientia Professor Head Deptt. Of Theoretical Physics, The University of New South Wales, Sydney, Australia	Investigating Dark Matter Candidates and Physics beyond Standard Model of Elementary Particles from Discrete Symmetry Violations in Atomic Systems and Cosmological Evolution of Fine Structure Constant Using Atomic Clocks
7	52	Dr. Nitin P. Wasekar (37) Scientist 'D' International Advanced Research Centre For Powder Metallurgy and New Materials, Balapur Hyderabad	9 months	Prof. Anthony O'Mullane Science and Engineering Faculty, Queens University of Tech, Brisbane, Australia	Performance Evaluation of Ni-W based Nanocomposite Coatings for Hard Replacement in Automotive Applications
8	55	Dr. Mahendra Bishnoi (36) Scientist-C, Nutritional Sciences and Technology C-127, Industrial area Phase-VIII SAS Nagar, Mohali Punjab	6 months	Prof. Lindsay Brown School of Health & Well-being, University of Southern Queensland, Australia	Functional foods on Transient Receptor Potential (TRP) channels to prevent obesity
9	65	Dr. Vijaykumar Hindasageri (37) Assistant Professor #ME213, Mechanical Engineering, National Institute of Technology Karnataka, Surathkal, Mangalore Karnataka	8 months	Dr. Ramesh Narayanaswamy Associate Professor, Department of Mechanical Engineering, Curtin University, Australia	Experimental PIV Studies on Air Jet Flow Characterisation
10	68	Dr. Jitendra S. Sangwai (38) Associate Professor Petroleum Engineering Program Department of Ocean Engineering IIT Madras, Chennai Tamil Nadu	3 months	Prof. Eric F. May Director, Australian Centre for LNG Futures, The University of Western Australia, Crawley, Australia	Studies on Methane Recovery from Natural Gas Hydrates using CO2 Sequestration

11	69	Dr Ranjan Bhattacharyya (44) Sr. Scientist Centre for Environmental Science and Climate Resilient Agriculture Indian Agricultural Research Institute Pusa, New Delhi	9 months	Prof. R.C. Dalal Adjunct Professor, School of Agriculture and Food Sciences, The University of Queensland, St Lucia, Australia	Structural Aggregates and Soil Carbon Sequestration under Different Land Use and Management Practices in Australia
12	105	Dr. Rahul Krishnaji Gajbhiye (40) Scientist - B Department of Clinical Research National Institute for Research in Reproductive Health, Indian Council of Medical Research Mumbai, Maharashtra	9 months	Prof. Grant Montgomery Institute for Molecular Bioscience, The University of Queensland, Australia	Role of immune response genes in endometriosis and changes in expression of these genes across the menstrual cycle
13	108	Dr. Kusum Kumar Bania (35) Assistant Professor, Tezpur University Assam	7 months	Prof. Suresh Bhargava RMIT University Australia	Zeolite-Y Encapsulated Chiral Catalyst for Asymmetric Synthesis
14	110	Dr. Krushna Chandra Gouda (39) Senior Scientist, CSIR-Fourth Paradigm Institute, Bangalore Karnataka	4 months	Dr. Marcus Thatchar CSIRO, Australia	Evaluation of Conformal Cubic Atmospheric Model (CCAM) for the Regional Climate simulation over India
15	115	Dr. Sarith P Sathian (43) Associate Professor Department of Applied Mechanics IIT Madras, Chennai Tamil Nadu	4 months	Prof. Billy Todd Deptt. of Mathematics, Faculty of Science Engg. & Technology, Swinburne University of Technology, Victoria, Australia	Thermo-molecular orientation in confined fluids & Thermoelectric properties of ionic liquids
16	144	Dr. Biswarup Pathak (37) Associate Professor Discipline of Chemistry IIT Indore, MP	9 months	Prof. Peter M W Gill School of Chemistry Australian National University	Designing of Molecular Catalysts for CO ₂ Hydrogenation Reaction using Moller-Pleset Perturbation Theory
17	151	Dr. P. Morthekai (39) Scientist-B Birbal Sahni Institute of Palaeosciences 53, University Road Lucknow, U.P.	7 months	Prof. Rainer Grun Centre for Human Evolution Griffith University Australia	Identification of radiation-induced defects participating in IRSL of feldspars

18	153	Dr. Krishnendu Gongopadhyay (38) Associate Professor IISER Mohali Punjab	6 months	Prof. Michael Cowling UNSW Australia	Geometric Analysis on Geometric Groups
19	157	Dr. Rajendra Singh Dhaka (36) Assistant Professor Department of Physics IIT Delhi Delhi	3 months	Prof. Clemens Ulrich School of Physics, University of New South Wales Australia	Optical spectroscopy and neutron diffractions studies of half-metallic co-based Heulser alloys for spintronic applications
20	167	Dr. Nithin V George (31) Assistant Professor Electrical Engineering Discipline IIT Gandhinagar Gujarat	3 months	Prof. Sven Nordholm Dept of Electrical & Computer Engineering, Curtin University Australia	Design and Implementation of acoustic beamforming systems in digital hearing aids