

LIST OF PROJECTS INDIA-PORTUGAL 2017-2019

No.	Scientific Domain	Title of Project	PT Researcher	PT Institution	Indian Researcher	Indian Institution
1	Agrarian Sciences	Alternative oxidase - a tool to increase biomass productivity under temperature and flooding stress	Birgit Arnholdt-Schmitt	Universidade de Évora	Jagadis Gupta Kapuganti	National Institute of Plant Genome Research Aruna Asaf Ali Marg
2	Biochemistry and Biotechnology	Developing magnetic nanoparticle immobilized enzyme catalysts for biofuel applications	Maria Suzana Leitão Ferreira-Dias Vicente	Instituto Superior de Agronomia	Rajeev K Sukumaran	CSIR-National Institute for Interdisciplinary Science and Technology (NIIST)
3	Biochemistry and Biotechnology	Centrosome Biogenesis and Deregulation	Monica Bettencourt Dias	Instituto Gulbenkian de Ciência	Satyajit "Jitu" Mayor	NCBS - National Center for Biological Sciences
4	Chemical Engineering	Solubility of gases in ionic liquid or binary mixture of ionic liquid + ionic liquid	João Coutinho	Universidade de Aveiro	Tamesh Gardas	IIT Madras
5	Informatics and Electronical Engineering	EMPOWER SSE: A Linked Open Data Framework for the Empowerment of Social and Solidarity Economy Agents	Ana Alice Rodrigues Pereira Baptista	ALGORITMI Center, Escola de Engenharia – Universidade do Minho	Animesh Dutta	National Institute of Technology, Durgapur
6	Informatics and Electronical Engineering	ECHO: error---correcting codes in high---performance communication systems through joint exploration of inference algorithms and parallel architectures	Gabriel Falcão	Universidade de Coimbra	Madhura Purnaprajna	Amrita Vishwa Vidyapeetham University Kasavanahalli
7	Informatics and Electronical Engineering	Network Science for Urban Engineering	João Manuel Portela Gama	Universidade do Porto	Ronita Bardhan	Centre for Urban Science & Engineering, Indian Institute of Technology (IIT)
8	Informatics and Electronical Engineering	Development of a low field MRI scanner for stroke imaging	Rita Gouveia Nunes	Faculdade de Ciências da Universidade de Lisboa	Sairam Geethanath	Medical Imaging Research Center
9	Marine Sciences	Performance of combined wave and wind energy multi-use platform	Carlos Guedes Soares	Instituto Superior Tecnico, Universidade de Lisboa	Debabrata Karmakar	National Institute of Technology Karnataka
10	Material Sciences	Porous ceramics from industrial wastes for insulating applications	João António Labrincha Baptista	Universidade de Aveiro	Vidya S. Batra	The Energy and Research Institute (TERI), India Habitat Centre

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11	Material Sciences	Design and development of composite particles for rapid and sustainable water treatment	Manuel Jorge de Araújo Pereira Soares	Universidade de Aveiro	Sangeeta Tiwari	Amity University
12	Material Sciences	Development of rare-earth doped nanocrystalline quantum cutting luminescent materials for solar energy harvesting	Manuel Pedro Fernandes Graça	Universidade de Aveiro	VEMULA VENKATRAMU	Yogi Vemana University
13	Material Sciences	Development of ultra-broadband (1100-2200 nm) light sources based on modified nano-engineered silica glass optical fibers doped with bismuth and	Mário Fernando dos Santos Ferreira	Universidade de Aveiro	Mukul Chandra Paul	CSIR-Central Glass & Ceramic Research Institute
14	Material Sciences	Experimental and numerical analysis of contact with friction conditions in forming processes	Marta Cristina Cardoso de Oliveira	Universidade de Coimbra	Padmanabhan Raghupathy	VIT University – Chennai
15	Mechanical Engineering	Development of advanced PVD coatings for machining nickel-based superalloys	Filipe Fernandes	Universidade de Coimbra	Soumya Gangopadhyay	National Institute of Technology Rourkela