

**SHASTRI INSTITUTIONAL COLLABORATIVE RESEARCH GRANT (SICRG)
2020-21**

Sr. No.	Name, Institution & Designation of Lead applicant	Topic	Subject	Co-Applicant's Name, Institution & Designation
1	Urmi Nanda Biswas Professor Maharaja Sayajirao University of Baroda	Understanding the vulnerabilities of Indian female migrants during COVID 19 pandemic: Rethinking policies for better integration of immigrant women's work lives	Psychology	Belinda Leach Professor University of Guelph
2	Arindam Banik Distinguished Professor International Management Institute New Delhi	A Tale of North-South IPR Conflicts and Cooperation: Exploring the interplay of Market Structure, FDI, Imitation, Innovation and IPRs in the Pharma Industry in India and Canada	Economics	Tirtha Dhar Chair and Associate Professor University of Guelph
3	Archana Srivastava Assistant Professor BITS Pilani	Socio-Economic Impacts of Cyclones and the Coping Strategies of the Local Communities in Odisha, India with a Special Focus on Women	Economics	Dolagobinda Pradhan Professor & Chair Kwantlen Polytechnic University
4	Sanjay Kumar Singh Associate Professor Indian Institute of Technology Indore	A synergistic experimental and computational approach to develop novel catalytic processes for upgrading agri-waste biomass/bio-oil to biofuel	Energy & Environment	Samir H. Mushrif Associate Professor University of Alberta
5	Vinay Chamola Assistant Professor BITS Pilani	Artificial Intelligence Enabled Security Provisioning and Vehicular Vision innovations for Autonomous Vehicles	Computation, Encryption and Security	Richard Yu Professor Carleton University
6	Rajeev Kumar Ranjan Assistant Professor IIT(Indian School of Mines)Dhanbad	Memristor based biosensor design for COVID-19	Embedded Systems and VLSI	Balbir (Bob) Gill Professor University of British Columbia

7	Gopinath Packirisamy Associate Professor Indian Institute of Technology, Roorkee	Formulation and evaluation of albumin-based inhalable drug carriers for direct pulmonary delivery of anti-cancer agents and imaging agents for lung cancer theranostics	Biomedical Sciences	Devika Chithrani Associate Professor University of Victoria
8	Sudharsan Parthasarathy Assistant Professor National Institute of Technology Trichy	Analysis of aerial intelligent reflecting surfaces for application in 6G wireless systems	Data Communication and Networks	Chintha Tellambura Professor University of Alberta
9	Ajay Rao Associate Professor University of Toronto	Argument and Counterargument in Early Modern Vedanta	Religion and Religious Studies	Srinivasa Kumar N Acharya Assistant Professor Manipal Academy of Higher Education
10	Bijay Kumar Agarwalla Assistant Professor IISER Pune , Maharashtra	Quantum thermal machines based on quantum thermodynamic principles	Physics	Dvira Segal Professor University of Toronto
11	Amritpal Kaur Associate Professor Guru Nanak Dev University	Application of high-pressure processing in the production of high-quality dairy, fruit and vegetable products	Food Technology	Hosahalli S. Ramaswamy Professor McGill University
Waitlist Candidates				
W1	Sanket Goel Associate Professor BITS Pilani	Microfluidic IoT Enabled Real- Time DNA / RNA Amplification Platform for Viral Detection	Biological Sciences and Bioengineering	Sushanta Mitra Professor University of Waterloo
W2	Gaurav Bhatnagar Associate Professor Indian Institute of Technology Jodhpur	Biometrics inspired Intellectual Property Protection of Deep Learning Models	Computer Science & Engineering	QM Jonathan Wu Professor and Canada Research Chair, Automotive Sensor and Information Systems University of Windsor