

SHASTRI RESEARCH STUDENT FELLOWSHIP (SRSF) 2018-19

a. SRSF: Post Doctoral

Sr.No.	Name of the Applicant and Institution	Topic of Project	Title of Post Doctoral	Discipline	Proposed institution/university for affiliation
1	Biplab Brahma Assam University	Soil nutrient management and Carbon sequestration: A step towards sustainable soil management in climate change scenario	Production of Phytolith Occluded Carbon for advancing climate change mitigation	Environmental Science and Climate Change	Andrew Hammermeister Dalhousie University Pierre-Luc Chagnon Université de Montréal
2	Mayur Sawant Indian Institute of Technology Indore	Investigations on additive manufacturing of NiTi biomedical components by plasma transferred arc deposition process	Investigations on additive manufacturing of NiTi biomedical components by plasma transferred arc deposition process	Mechanical Engineering	Ahmed Qureshi University of Alberta
3	Monika Patel University of Delhi	Sustainable Strategies for C-H and C-N Bond Functionalization in Drug Discovery Using Photochemical Continuous Flow Technology	Base Assisted Chemo- and Regioselective C-N, C-S and C-O Bond Formation with Isotopic Labeling Studies	Chemistry	Helene Lebel Univesite de Montreal Marco A. Ciufolini University of British Columbia
4	Supriya Katti Indian Institute of Technology Kanpur	Understanding the Influence of Business Group Affiliation on Corporate Social Responsibility: Evidence from India and Canada	Finance	Social Sciences	Shantanu Dutta University of Ottawa

5	Asim Rizvi Aligarh Muslim University	Characterization of pro-cancerous roles of poly(ADP- ribose) polymerase-1 in solar ultraviolet radiation-induced skin cancer	Investigating the pro-differentiating effects of Vitamin D on Ovarian Cancer Stem Cells	Biomedical Sciences	Girish Shah Laval University
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b. SRSF : Doctoral

Sr.No.	Name of the Applicant and Institution	Topic of Project	Title of PhD	Discipline	Proposed institution/university for affiliation
1	Pritam Bari Indian Institute of Technology Kanpur	Dynamics of serrated end mills with variable pitch and helix	Mechanics and Machining Dynamics of Serrated End Mills	Mechanical Engineering	Yusuf Altintas The University of British Columbia
2	Monu Verma Malaviya National Institute of Technology Jaipur	Affective sensing based nonverbal behavior analysis for depression diagnosis	Facial Expression Analysis for Human Emotion Recognition	Computer Science & Engineering	Nizar Bouguila Concordia University
3	Sameer Sharma University of Toronto	Thin film nanofabrication of optically transparent touch panel sensors and microwave circuits	Equivalent Optically Transparent Circuits: An Optimization-Driven Methodology for the Design of Optically Transparent Circuits, Sensors and Antennas	Electrical Engineering	Bodh Raj Mehta Indian Institute of Technology Delhi
4	Dibyendu Ghosh Indian Institute of Technology Kharagpur	Collective Dynamics and Pattern Formation of Janus Particles with Applied Magnetic Fields	Towards a Comprehensive Formulation of Ferrohydrodynamics and Cavity Driven Flow as a Case Study	Mechanical Engineering	Ishwar K. Puri McMaster University
5	Anamika Dubey Dr. Harisingh Gour Central University Sagar	Isolation and Characterization of a Novel Pathogenesis-Related Protein Gene in soybean under pathogen stress conditions	Engineering Rhizosphere Microbiome Of Soybean For Improving Plant Performance And Disease Resistance	Botany	Selvadurai Daya Dayanandan Concordia university Ravindra N Chibbar University of Saskatchewan

6	Cinu Varghese Indian Institute of Technology Kharagpur	Evaluation and Characterization of Developed High-Energy, Nutrient-Dense Food Bar for Undernourished Adolescents	Development of High-Energy, Nutrient-Dense Food Bar for Undernourished Adolescents	Rural Development	Roopesh Mohandas Syamaladevi University of Alberta
7	Ankita Shroff Maharaja Sayajirao University of Baroda	An Experimental Study on Developing an Anti-Microbial and Insect Repellent Textile Fabric for Preservation of Textiles	An experimental study on developing an antimicrobial and insect repellent fabric for preservation of textiles	Home Science	Patricia Dolez University of Alberta
8	Sanil Kumar Indian Institute of Technology Roorkee	Planning For Integrated Development In Kuttanad Wetland Region Of Kerala State, India	Planning For Integrated Development In Kuttanad Wetland Region Of Kerala State, India	Urban Planning & Design	Patricia E. Perkins York University
9	Athira M Pondicherry University	Inspecting Gastronomical Narratives- The Role of Food in Children's Literature	Inspecting Gastronomical Narratives- The Role of Food in Children's Literature	English	Ann Martin University of Saskatchewan Wendy Roy University of Saskatchewan
10	Rhea Mammen National Law School of India University	Towards Socially relevant legal Education: through curriculum mapping	Towards Socially relevant legal Education: With special reference to curriculum of five year law course	Law	P.M Vasudev University of Ottawa Sara Slinn York University

c. SRSF: Student

Sr.No.	Name of the Applicant and Institution	Topic of Project	Discipline	Proposed institution/university for affiliation
1	Anuhya Nalluri University of Hyderabad	Construction & Validation of three dimensional profile of tear lipid layer: A quantitative approach	Health Sciences	Lyndon Jones University of Waterloo

2	Anurag Agarwal Indian Institute of Technology Kharagpur	Numerical Modelling in Microfluidics	Mechanical Engineering	Mohammed Jalal Ahamed University of Windsor Jean-Pierre Hickey University of Waterloo
3	Pardeep Kumar Indian Institute of Technology, Roorkee	Modelling complex fluids in enhanced oil recovery	Mechanical Engineering	Carlos Frederico University of Alberta
4	Hrishikesh Danawe Indian Institute of Technology Kharagpur	Design and Dynamics of Stick-Applicator Assembly in Railway Applications	Mechanical Engineering	Anasavarapu Srikantha Phani University of British Columbia
5	Arun Dayanandan Concordia University	Characterizing Invasive Behavioural Syndromes Between Colour Morphotypes In An Endemic Invasive Snail In Cardamom Plantations For Conservation Management In The Western Ghats Biodiversity Hotspot	Biology	Mohammed Latif Khan Hari Singh Gour Central University
6	Raunak Swarnkar Indian Institute of Technology Gandhinagar	Combining Volumetric and Surface-based Methods for Neuroimage Registration	Computer Science & Engineering	Tanya Schmah University of Ottawa
7	Aritra Das Indian Institute of Technology Kanpur	Secure Quantum Computing on the Cloud	Physics	Barry Sanders University of Calgary
8	Rohit Jambhulkar Indian Institute of Technology Guwahati	Management of aquatic weeds using vermicoposting methods	Civil Engineering	Brandon H. Gilroyed University of Guelph J. Patrick A. University of Calgary
9	Samruddhi Damle Indian Institute of Technology Gandhinagar	Exogenous and Endogenous Attentional Cueing of Emotional Valence: Modulation by Probability	Neuroscience	Britt Anderson University of Waterloo

10	Julie VanBerkel University of Guelph	Understanding the Policies and Procedures regarding Sexual Violence at Higher Education Institutions in India	Gender Studies	Bharathi Harishankar University of Madras Lilian I Jasper Women's Christian College
11	Manvinder Gill McMaster University	Perceptions of Alcohol in Colonial India, Masculinity, and Sikhism	Religion and Religious Studies	Radhika Chopra Delhi University
12	Elijah Dalton University of Guelph	Understanding Monetary Aid in Post-Disaster Children's Outcomes	Social Sciences	Aditya Raj IIT Patna
13	Rajat Maheshwari Indian Institute of Technology Kharagpur	Performance and Information Content of Merger and Acquisition (M&A) Deals	Corporate Finance and Probability of Informed Trading	Shantanu Dutta University of Ottawa
14	Ojasvi Verma IIT Gandhinagar	Use of plant proteins in designing nanostructures for the delivery of bioactive compounds and in studying the behaviour of the protein nanoparticles in simulated physiological environments.	Chemistry	Chibuike C. Udenigwe University of Ottawa
15	Ekagra Ranjan Indian Institute of Technology Guwahati	Human pose estimation and tracking for the game of ice hockey using deep learning	Computer Science & Engineering	David A. Clausi University of Waterloo
16	Tiasa Basuroy University of Calcutta	Christianisation In Orissa: Canadian Baptists And Savaras Experience, 1860-1960	History	Neilesh Bose University of Victoria