

## Shastri Research Student Fellowship (SRSF): Post-Doctoral Category

**2019-20 R1**

Sr. No.	Name of Awadee & Institution	Designation	Topic of Project	Title of PhD	Discipline	Institution/ university for affiliation
<b>S&amp;T</b>						
1	<b>Shilpa Sharma</b> The Indian Institute of Technology Ropar	Postdoc Fellow	Aggregation Induced Emission Enhancement (AIEE) based Molecules for theragnostic of Cancer Cell	Aggregation Induced Emission Enhancement (AIEE) Material: Cancer Cell Imaging”	Chemistry	<b>Prof. Xiaosong Wang</b> University of Waterloo
2	<b>Deepika Jamwal</b> Panjab University	National Post-doctoral Fellow (SERB-DST)	Metal chalcogenide nanostructures: organized structural, optical and electrical features for emerging applications	Metal chalcogenide nanostructures for third generation device applications	Chemistry	<b>Prof. Harry E. Ruda</b> University of Toronto
3	<b>Paramvir Singh</b> Indian Institute of Technology Bombay	Post Doctoral Fellow	Spray, droplet evaporation and droplet characterization of liquid fuels	Investigation on impact of lower aromatic fuels on diesel engine’s seals compatibility, PM emissions and performance with an aim to reduce emissions and fuel consumption	Mechanical Engineering	<b>Prof. Amirfazli, Alidad</b> York University
<b>HSS &amp; Allied</b>						
1	<b>Ranjeet Singh</b> Panjab University	Research Associate	Public Policy and Sustainable Agriculture Development in Canada: Lessons for India	Agriculture Development and Environmental Regulation: The Indian Experience With Special Reference To Punjab State	Public Administration	<b>Dr. Christopher Gore</b> Ryerson University

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<b>S&amp;T</b>					
1	<b>Nikhil Dhingra</b> University of Delhi	Fabrication and Characterization of Ultra-compact Broadband Adiabatic Mode Converters for Biosensing Applications	Design and Analysis of Coupled Mode Photonic Devices	Photonics Science and Engineering	<b>Prof. Pierre Berini</b> University of Ottawa
2	<b>Ahmad Nawaz</b> IIT(Indian School of Mines) Dhanbad	Design and fabrication of hybridized nanophotocatalyst for utilization of full solar spectrum.	Design and Fabrication of Hybridized Nano Photocatalyst for the utilization of full solar spectrum.	Energy & Environment	<b>Dr Hadis Zarrin</b> Ryerson University
3	<b>Kamal Tewari</b> Indian Institute of Technology Delhi	Influence of Obstacles on Large Scale Obstacles: Climatic Aspects	Influence of Obstacles on Large Scale Flows: Climatic Aspects	Climate Modelling	<b>Prof. Richard Peltier</b> University of Toronto <b>Prof. G.W.K. Moore</b> University of Toronto
4	<b>Subhankar Khatua</b> The Institute of Mathematical Sciences	Study of order by disorder in real materials	Effective Theories and Emergent Phenomena In Frustrated Magnetism	Physics	<b>Prof. Michel Gingras</b> University of Waterloo
5	<b>Aarushi Singh</b> University of Delhi	Design of New Boron Heterocycles for Drug Discovery and Catalysis of Greener Chemical Reactions	Design Synthesis and Biological Screening of Chiral Pyrazinoindoles as Potential Antibacterial Agent	Chemistry	<b>Prof. Dennis Hall</b> University of Alberta

6	<b>Akanksha Gupta</b> Indian Institute of Technology Kanpur	Waves and Instabilities in Geophysical Flows	Waves and Instabilities in Geophysical Flows	Mechanical Engineering	<b>Prof. Anthony Wachs</b> University of British Columbia
W1	<b>Chayan Majumdar</b> Indian Institute of Technology Bombay	Applications of entanglement entropy to gravity and semi-classical quantum systems	Interplay between Entanglement Entropy and Gravity	Physics	<b>Prof. M. B. Paranjape</b> University of Montreal
<b>HSS &amp; ALLIED</b>					
1	<b>Nimisha Joshi</b> English and Foreign Languages University	English - Nelly Arcan: Abandoned body; embodying literature. French - Corps abandonné et corpus réinventé chez Nelly Arcan	Corps Abandonné Et Corpus Réinventé Chez Nelly Arcan	French	<b>Prof. Mathieu Boisvert &amp; Prof. Isabelle Miron</b> Université du Québec à Montréal
2	<b>Keerti Pandyal</b> Indian Institute of Management Calcutta	Standard Essential Patents: Lessons from the Canadian experience	Standard Essential Patents: An Analysis of Evolving Jurisprudence and Insights for Policymakers & Companies	Business	<b>Prof. Chidi Oguamanam</b> University of Ottawa
3	<b>Seema Mahi</b> University of Delhi	Community formation in a transnational setting: The case of Ravidasi Sikhs in Canada.	Formation of Dalit Identity: The case of Punjab	Sociology	<b>Dr. Michael Nijhawan</b> York University
4	<b>Juna Probha Devi</b> Indian Institute of Technology Guwahati	Implications of and Potential Response to Climatic Changes in Tawang River Basin, Eastern Himalayas	Implications of and Potential Response to Climatic Changes in Tawang River Basin, Eastern Himalayas	Geography	<b>Dr Frédérique Pivot</b> Athabasca University

5	<b>Maziar Jafary</b> University of Ottawa	Comparative Study of 'systems of justification' among Indian students of business/management institutions; Cases of study: Private and Public business/management institutions in province of Karnataka	Comparative Study of 'Systems Of Justification' Among Indian Students Of Business/Management Institutions; Cases Of Study: Private And Public Business/Management Institutions In Province Of Karnataka	Sociology	<b>Dr. Israël Fortin</b> Indian Institute of Management -Bangalore
W1	<b>Saurabh Sharma</b> Indian Institute of Technology Kharagpur	Beyond H2O: Trans-disciplinary Water Research within the Indian Context	Beyond H2O: Trans-disciplinary Water Research within the Indian Context	History	<b>Dr. Prateep Kumar Nayak</b> University of Waterloo

**Shastri Research Student Fellowship (SRSF): Student Category  
2019-20 R1**

<b>Sr.No.</b>	<b>Name of the Applicant and Institutional Address</b>	<b>Topic of Project</b>	<b>Discipline</b>	<b>Proposed institution/university for affiliation</b>
1	<b>Satyam Mohla</b> (Institution: Indian Institute of Technology Bombay)	GAN based Knowledge Distillation for robust Open Set Classification	Electrical Engineering	<b>Dr. Marco Pedersoli</b> ETS Montreal
2	<b>Radhika. P. Meti</b> (Institution: College of Agriculture, Vijaypur, UAS Dharwad)	Comparative study of Supply Chain Management in India and Canada for Agricultural Produces	Agriculture	<b>Dr. Rakhal Sarker &amp; Prof. Spencer Henson</b> University of Guelph
3	<b>Rishabh Kumar</b> (Institution: Indian Institute of Technology Kharagpur)	Analysis of high-dimensional Continuous state space markov chains with certain properties	Mathematics	<b>Dr. Aaron Smith</b> University of Ottawa
4	<b>Divya Rathore</b> (Institution: BITS Pilani)	Advanced diagnostics to determine Li-ion battery failure mechanisms	Mechanical Engineering	<b>Prof. Jeff Dahn</b> Dalhousie University
5	<b>Vanika Verma</b> (Institution: Indian Institute of Technology, Roorkee)	Understanding past-climate change by analyzing lake sediments	Geology	<b>Dr. Peter Douglas,</b> McGill University
6	<b>Basavaraj Vijaykumar Nargal</b> (Institution: University of Agricultural Sciences Dharwad)	Calibrating and validating DSSAT-CERES model for maize and quantifying the impacts of climate change on maize in Ontario province.	Agriculture	<b>Prof. Jon Warland</b> University of Guelph

7	<b>Parth Padia</b> (Institution: BITS Pilani)	Developing Quantum Network and it's Simulation	Physics	<b>Dr. Daniel Oblak</b> University of Calgary
8	<b>Bhupinder Kaur</b> (Institution: Guru Nanak Dev University)	Organic and Medicinal Chemistry	Chemistry	<b>Dr. Lee D. Wilson</b> University of Saskatchewan
W1	<b>Rishab Hemant Khincha</b> (Institution: BITS Pilani)	Linking future telescopes (LSST, TMT) to galaxy databases with a machine learning based broker system.	Computer Science & Engineering	<b>Prof. Pauline Barmby</b> Western University
<b>HSS &amp; ALLIED</b>				
1	<b>Anushka Apoorva Oza</b> (Institution: Indian Institute of Technology Gandhinagar)	A comparative study of mental health polices of Canada and India	Cognitive Science	<b>Prof. Shashi Enarth</b> University of British Columbia
2	<b>Lavanya Dalal</b> (Institution: University of Mumbai)	Wounds Seen and Unseen: On Revisiting Trauma in Canadian and Indian Prison Narratives	Literature	<b>Dr. Veronica Austen</b> University of Waterloo <b>Dr. Brenda Vellino</b> Carelton University
W1	<b>Zaphya Jena</b> (Institution: Indian Institute of Technology Gandhinagar)	Towards Diversifying Mental Health Pedagogy	Social Sciences	<b>Dr. David Silver,</b> University of British Columbia <b>(Research fellowship is under the supervision of Dr. Susan Cox, Centre for Applied Ethics)</b>