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Confirmation Number: 1599742

Template: SSHRC

Dr. Nirupama Agrawal

Previous First Name: Niru

Previous Family Name: Nirupama

Correspondence language: English

Sex: Female

Contact Information

The primary information is denoted by (*)

Address

Primary Affiliation (*)

School of Administrative Studies

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Dr. Nirupama Agrawal

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	Yes
Hindi	Yes	Yes	Yes	Yes	Yes
Japanese	No	No	Yes	Yes	No

Degrees

1992/10 - 1996/3	Doctorate, Doctor of Engineering, Water Resources Engineering, Kyoto University Degree Status: Completed Supervisors: Takuma Takasao
1988/7 - 1991/12	Master's Thesis, Master of Hydrology, Hydrology, Indian Institute of Technology Degree Status: Completed Supervisors: Mohan Mathur
1979/7 - 1981/6	Master's non-Thesis, M. Sc. - Masters, Statistics, Indian Institute of Technology Kanpur Degree Status: Completed Supervisors: Santokh Singh
1976/7 - 1978/6	Bachelor's, B.Sc., Science (Math), Agra University Degree Status: Completed

Credentials

2008/5	Associate Business Continuity Professional (ABCP), Disaster Recovery International
2007/6	GIS Specialist, Federal Emergency Management Agency (FEMA)
2003/10	Fire Smart, Manitoba Emergency Services
1992/10 - 1993/3	Japanese Language, Kyoto University

Recognitions

2019/9	Dean's Award for Excellence in Research York University Prize / Award
2017/9	Student Training York University Citation

2014/9	Best paper award University of Salford Honor
2014/4	Merit Award - 3,000 York University Prize / Award

User Profile

Research Specialization Keywords: Adaptation strategies to reduce climate impacts, Disaster resilience by community participation, Disaster Risk Management, Geoinformation systems for disaster risk reduction, Multi-criteria, multi-objective decision making, Natural Hazards

Employment

2021/3	Adjunct Professor INWEH, Hamilton, United Nations University Part-time, Professor Tenure Status: Non Tenure Track
2020/1	Professor School of Administrative Studies, York University Full-time, Professor Tenure Status: Tenure
2007/7	Associate Professor School of Administrative Studies, York University Full-time, Associate Professor Tenure Status: Tenure
2005/7 - 2007/6	Assistant Professor of Emergency Management School of Administrative Studies, York University Full-time, Assistant Professor Tenure Status: Tenure Track
2003/8 - 2005/6	Assistant Professor (tenure track) Department of Applied Disaster & Emergency Studies, Brandon University Full-time, Assistant Professor Tenure Status: Tenure Track
2002/9 - 2002/12	Sessional Instructor Civil and Environmental Engineering, University of Western Ontario Part-time, Lecturer Tenure Status: Non Tenure Track
2000/10 - 2002/8	Postdoctoral Fellow Civil & Environmental Engineering, University of Western Ontario Full-time Tenure Status: Non Tenure Track

Research Funding History

Awarded [n=7]

2022/4 - 2025/3	Mobilizing Insights in Defence and Security, Grant Co-director
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Funding Sources:

	National Defence (Canada) Total Funding - 110,000
2021/4 - 2024/3 Co-investigator	York Minor Research Grant, Grant Funding Sources: York University Minor Research Grant Total Funding - 4,995
2022/2 - 2024/3 Principal Investigator	SSHRC Explore, Grant Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC) Total Funding - 6,952
2020/4 - 2021/3 Collaborator	Chartered Professional Accountants of Ontario, Grant Funding Sources: Association of Chartered Certified Accountants (The) (ACCA) Total Funding - 13,700 Co-investigator : Marcela Porporato; Principal Applicant : Gajindra Maharaj
2019/7 - 2020/7 Principal Applicant	A smart approach to build resilience to climate change induced disasters in Canada, Grant Funding Sources: York University Minor Research Grant Total Funding - 1,915
2019/5 - 2020/5 Principal Applicant	A Smart Approach to Build Resilience to Climate Change Induced Disasters in Canada, Grant Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC) EXPLORE Total Funding - 1,700
2014/10 - 2014/10 Co-applicant	Mobizing Knowledge for Disaster Risk Reduction: Canadian Risk and Hazards Network: 11th Symposium: Must Today's Risk be Tomorrow's Disaster?, Grant Funding Sources: Social Sciences and Humanities Research Council of Canada (SSHRC) Partnership Total Funding - 25,000 Principal Applicant : David Etkin
Completed [n=1]	
2019/7 - 2019/8 Co-applicant	Shastri Mobility Programme, Grant Funding Sources: Shastri Indo-Canadian Institute (Alberta) Total Funding - 5,000 Co-applicant : Sabuj Chaudhuri

Course Development

2013/9	Course Director, Disaster & Emergency Management, York University Course Title: Seminar in Disaster & Emergency Management Course Level: Undergraduate
2007/9	Course Director, Disaster and Emergency Management, York University Course Title: Business Continuity Planning Course Level: Undergraduate
2007/5	Course Director, Disaster & Emergency Management, York University Course Title: Natural Disasters Course Level: Graduate
2007/1	Course Director, Disaster & Emergency Management, York University Course Title: Qualitative Research Methods in Disaster Management Course Level: Graduate
2005/9	Course Director, Disaster & Emergency Management, York University Course Title: Disaster Risk Management Course Level: Undergraduate
2004/9	Course Director, Applied disaster and emergency management, Brandon University Course Title: Disaster modelling Course Level: Undergraduate
2003/1	Course Director, Applied Disaster and Emergency Management, Brandon University Course Title: Organisational Responses to Disasters and Emergencies Course Level: Undergraduate
2002/1	Course Director, Civil & Environmental Engineering, University of Western Ontario Course Title: Remote sensing and Geographic Information System (GIS) techniques for Civil Engineers Course Level: Graduate

Student/Postdoctoral Supervision

Master's Equivalent [n=2]

Principal Supervisor	Sedi Joseph Dirisu (Completed) Student Degree Received Date: 2021/12
Principal Supervisor	Colleen Kennedy (Completed)

Master's non-Thesis [n=15]

Principal Supervisor	Amar Deep Regmi (Completed)
Principal Supervisor	Jubril, Judith (Completed)
Principal Supervisor	Hebert, Lauren (Completed)
Principal Supervisor	Simpson, Colleen (Completed)
Principal Supervisor	Adhikari, Indra (Completed)
Principal Supervisor	Jacob, Sarah (Completed)
Principal Supervisor	Subbotina, Katie (Completed)

Academic Advisor	Wilson, Nicole (Completed)
Principal Supervisor	McNeil, Cheryl (Completed)
Co-Supervisor	Popper, Tammy (Completed)
Principal Supervisor	Guindon, Sarah-Maude (Completed)
Principal Supervisor	McDonald, Claire (Completed)
Principal Supervisor	Benton, Alicia (Completed)
Academic Advisor	Latendresse, Lori (Completed)
Principal Supervisor	Daddar, Sabrina (Completed)

Master's Thesis [n=6]

Academic Advisor	Chan, Wendel (Completed)
Principal Supervisor	Walshaw, Timothy (Completed)
Principal Supervisor	Abeal Biruk (Completed) Student Degree Received Date: 2020/6
Principal Supervisor	Ashton, Daniela (Completed)
Co-Supervisor	Dave, Tanmay (Completed)
Principal Supervisor	Ituen, Ima (Completed)

Doctorate [n=5]

Academic Advisor	Durage, Samantha (Completed)
Academic Advisor	Owringi, Amin (Completed)
Academic Advisor	Oleiwani, Yassin (Completed)
Academic Advisor	Balikisu Osman (In Progress) Student Degree Expected Date: 2023/6
Academic Advisor	Irwin, Sarah (Completed)

Event Administration

Co-Director, A Multi-Stakeholder Collaborative Approach to Nature-Triggered Emergency Management: Reflections from the Field, Workshop, 2022/12 - 2022/12

Co-Director, A collaborative approach to nature-triggered emergency management: reflections from the past events, Seminar, 2022/7 -

Moderator, Rethinking Vulnerability, Seminar, 2023/1 -

Co-Director, Nature-triggered extreme events: Who might/could respond, Conference, 2023/3 -

Panelist, Building momentum for transformative disaster risk governance symposium, Seminar, 2021/2 -

Co-Director, Nature-triggered disaster management: Ethics and inclusion, Seminar, 2023/1 -

Session Chair, Global Risk Forum IDRC Davos, Conference, 2016/8 - 2016/8

Editorial Activities

2022/1	Co-Guest Editor, Sustainability - Water Related Disasters and Risks
2017/4	Co-Guest Editor, Natural disasters and 150th commemoration of Canada as a country - SI Natural Hazards
2014/9	Editorial Advisory Board Member, International Journal of Disaster Resilience in the Built Environment
2013/1	Co-Guest Editor, Sociological Aspects of Natural Disasters, SI Natural Hazards
2006/5	Co Editor, Proceedings of the Canadian Risk and Hazard Network Symposium, Toronto, Canada, Nov 17-19, 2006
2006/1	Editorial Board Member, Natural Hazards
2005/1	Co Editor, Indian Ocean Tsunami A.A. Balkema Publication, The Netherlands, 398 pages
2020/5 - 2022/6	Editorial Board Member, Canadian Journal of Emergency Management

Journal Review Activities

2022/2	International Journal of Gender in Management Number of Works Reviewed / Refereed: 1
2021/11	Progress in Disaster Science Number of Works Reviewed / Refereed: 1
2020/2	Regional Environmental Change Number of Works Reviewed / Refereed: 1
2020/1	Canadian Journal of Emergency Management Number of Works Reviewed / Refereed: 6
2018/11	Climate and Development Number of Works Reviewed / Refereed: 2
2015/6	Public Health and Disease Prevention Number of Works Reviewed / Refereed: 1
2015/1	International Journal of Disaster Resilience in the Built Environment Number of Works Reviewed / Refereed: 34
2014/12	International Journal of Disaster Risk Reduction Number of Works Reviewed / Refereed: 5
2014/4	Geomatica Number of Works Reviewed / Refereed: 2
2013/10	Disasters Number of Works Reviewed / Refereed: 2
2013/6	Regional Science, Policy, and Practice Number of Works Reviewed / Refereed: 2
2013/4	Coastal Research Number of Works Reviewed / Refereed: 1
2013/4	Policy and Practice Number of Works Reviewed / Refereed: 2
2013/2	Natural Hazards Review Number of Works Reviewed / Refereed: 3

2013/1	Natural Hazards Review Number of Works Reviewed / Refereed: 8
2012/12	Educational Research and Reviews Number of Works Reviewed / Refereed: 1
2012/10	Sustainability Number of Works Reviewed / Refereed: 3
2012/7	Geomatics, Hazards and Risks Number of Works Reviewed / Refereed: 2
2012/6	Canadian Foreign Policy Number of Works Reviewed / Refereed: 4
2012/6	Applied Geomatics Number of Works Reviewed / Refereed: 2
2011/7	Canadian Water Resources Number of Works Reviewed / Refereed: 5
2011/6	Applied Geography Number of Works Reviewed / Refereed: 2
2011/4	US Geological Survey Number of Works Reviewed / Refereed: 2
2011/2	International Development Number of Works Reviewed / Refereed: 2
2011/2	Int. J Disaster Resilience in the Built Environment Number of Works Reviewed / Refereed: 14
2010/12	Hydrological Sciences Number of Works Reviewed / Refereed: 1
2010/12	Geography and Regional Planning Number of Works Reviewed / Refereed: 2
2010/7	Civil Engineering and Environmental Systems Number of Works Reviewed / Refereed: 2
2009/9	Water Resources Management Number of Works Reviewed / Refereed: 6
2009/4	Environmental Management Number of Works Reviewed / Refereed: 2
2008/12	Flood Risk Management Number of Works Reviewed / Refereed: 5
2008/11	Marine Geodesy Number of Works Reviewed / Refereed: 17
2007/1	Natural Hazards Number of Works Reviewed / Refereed: 103
2005/4	Rural and Community Development Number of Works Reviewed / Refereed: 1

Graduate Examination Activities

2022/5	Examiner, Alvira Ria, The University of Manitoba
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2022/5	Examiner, Sabbir Khan, The University of Manitoba
2020/10	Thesis Defense Examiner, Aiesha Aggarwal, Geography, York University
2020/8	PhD External Examiner, Susan Agada, Environmental Studies, York University
2019/9	PhD External Examiner, Patricia Martel, Geography, Wilfrid Laurier University
2018/9	PhD Comprehensive Exam Committee Member, Balikisu Osman, York University
2018/3	PhD External Examiner, Xuefen Liu, Civil and Environmental Engineering, University of New South Wales
2015/7	PhD External Examiner, Owrangi, Amin, Civil and Environmental Engineering, University of Western Ontario
2014/3	Committee Member, Chan, Wendel, Earth and Space Science and Engineering, York University
2014/3	Committee Member, Shivani Seepersad, Earth & Space Science & Engineering, York University
2014/1	PhD External Examiner, Durage, Samanthi, Civil Engineering, The University of Calgary
2013/12	Committee Member, Nicole Wilson, Environmental Studies, York University
2009/9	PhD External Examiner, Mohopatra, Romasa, Geography and Environmental Management, University of Waterloo
2008/9	PhD External Examiner, Westland, Scott, Natural Resources Institute, The University of Manitoba
2008/5	Master's Oral Exam Chair, Bhutia, Sangay, Space and Earth Science and Engineering, York University
2007/7	PhD External Examiner, Stewart, R.M., Natural Resources Institute, The University of Manitoba

Research Funding Application Assessment Activities

2022/9	External Reviewer, Strategic Japanese-Swiss Science and Technology Programme (SJSSTP), Funder, Academic Reviewer, Swiss National Science Foundation, Swiss National Science Foundation
2021/12	External Reviewer, Dutch Grant proposal, DE-RISC, Funder, Academic Reviewer, DE RISC
2020/11	External Reviewer, Organization, Academic Reviewer, CRC Press
2020/10	External Reviewer, CRC Press/ Taylor & Francis – Book proposal review, Organization, Academic Reviewer, CRC Press
2020/9	External Reviewer, Funder, Academic Reviewer, Academia Sinica Sustainability Science Research Program
2020/3	External Reviewer, Mitacs Accelerate, Funder, Academic Reviewer, Mathematics of Info Tech & Complex Systems
2018/5	External Reviewer, Newton-Ungku Omar Fund, Funder, Academic Reviewer, Governments of UK and Malaysia, Newton-Ungku Omar Fund
2018/2	External Reviewer, NERC Science of the Environment, Funder, Academic Reviewer, University of Salford

2017/9	External Reviewer, Shastri research student fellowship for doctoral candidates, Funder, Academic Reviewer, Shastri Indo-Canadian Institute
2007/12	External Reviewer, SSHRC, Funder, Academic Reviewer, Social Sciences and Humanities Research Council of Canada (SSHRC)

Community and Volunteer Activities

2023/2	Guest Expert Flood Mitigation, Humber College
2023/1	Advisory Board Member, York University
2022/10	Area Coordinator for Fall Campus Day, York University
2021/8	Ad Hoc Committee Member, ICFM
2015/1	Organizer Public Lectures, York University
2012/1	Rotating Chair of School Meetings, York University
2011/7	Member Geoinformatics Stakeholder Group, York University
2010/4	Advisory Committee Member, Canadian Dam Association
2007/5	Advisory board member, South Asian Women's Centre
2006/1	Member, Strategy Consultation Committee, York University
2017/6 - 2020/5	Board Chair, South Asian Women's Centre

Most Significant Contributions

2013/6	Nirupama, N. and Maula, A. (2013). Engaging Public for Building Resilient Communities to Reduce Disaster Impact, SI Sociological Aspects of Natural Disasters Springer, <i>Natural Hazards</i> . 66:51-59.
2013/5	Armenakis, C. and Nirupama, N. (2013). Estimating spatial disaster risk in urban environments, <i>Geomatics, Natural Hazards and Risk</i> , Taylor & Francis, 4 (4): 289-298.
2007/6	Nirupama, N. and S.P. Simonovic (2007). Increase of Flood Risk due to Urbanization: A Canadian Example, <i>Natural Hazards</i> , 40, 25-41. IF 1.833 Over 1,300 downloads as of May 20, 2018.
2019/3	Agrawal N, Jahanandish A (2019). Is climate change impacting Rideau Canal Skateway, the world's longest skating rink? SI 150th Commemoration of Canada as a Country, <i>Natural Hazards</i> , 98(1): 91-101.
2020/1	Agrawal N, Elliott M, Simonovic SP (2020) Risk and resilience: A case study of perception versus reality for flood management. <i>Water</i> 2020, 12, 1254.

Presentations

1. Jim Abraham, Patricia Martel, Kaz Higuchi. (2023). ENSO El Nino Southern Oscillation. CRHNet Webinar, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No

2. Megan Sipos. (2022). Climate challenges, ecosystem loss, disaster risk & a case study of Burlington, Ontario. DEMCON Disaster & Emergency Management Conference, Toronto, Toronto, Canada
Main Audience: Decision Maker
Invited?: No, Keynote?: No
3. (2022). Navigating Adaptation to Climate-Activated Risks. International Conf. Tackling Climate Change through Urban Resilience, IIT Tirupati, Tirupati, India
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
4. (2022). Managing the retreat: Never too late. International Conference on Flood Management Webinar Series, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
5. (2022). Never Too Late - A Case for Retreat from Floodplains. Managed Retreat: From managing unavoidable to avoiding unmanageable, Beijing, China
Main Audience: Researcher
Invited?: Yes, Keynote?: No
6. Simon Wells and Etsuko Yasui. (2021). Strengthening the Profession of EM in Canada: Accessing, assessing, and sharing information to develop professional Concepts and Doctrine.2021 Emergency Management Stakeholder Summit, Virtual, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
7. Emdad Haque. (2021). Canadian military and disaster assistance. Annual Conference of Canadian Defence and Security Network, Ottawa, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
8. Megan Sipos. (2021). Biodiversity Loss and Flood Risk: A Case of Burlington, Ontario. ASFPM Conference, Orlando, United States of America
Main Audience: Knowledge User
Invited?: No, Keynote?: No
9. (2021). Risk Perception and Assessment. Water Without Border, UN Institute for Water, Environment, and Health, McMaster University, Hamilton, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
10. (2021). Hazard Identification and Risk Assessment. Summer Institute, Canadian Defence and Security Network, Ottawa, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
11. (2020). Climate Resilience & Disaster Safe Development, Science & Technology Research - Policy - Practice Interface for Climate Risk Management. National Institute of Disaster Management, New Delhi, India
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
12. (2019). Climate Change Adaptation. Canadian Red Cross, Toronto, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
13. (2019). Urban water issues of the 21st Century. Asian Business and Management Program, Toronto, Canada
Invited?: Yes, Keynote?: No

14. (2019). Climate change resilience through innovation. Climate Change Mitigation and Adaptation Strategies to Promote Resiliency, Ryerson University, Toronto, 18 March 2019, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
15. (2019). Climate resilience – reflections from the Canadian context. Centre for Excellence on Climate Resilience, New Delhi, India, Nov 25, 2019, New Delhi, India
Main Audience: Decision Maker
Invited?: Yes, Keynote?: No
16. (2018). Incorporating people’s perspectives into disaster resilience assessment. Advanced Disaster & Emergency Response Simulation seminar, Toronto, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No
17. SP Simonovic Mark Elliott. (2017). Disaster adaptiveness, resilience, and capacity building by accounting for people’s perception: a Canadian case study. 7th Int. Conference on Flood Management, Leeds, United Kingdom
Main Audience: Researcher
Invited?: No, Keynote?: No
18. Slobodan P Simonovic Mark Elliott. (2017). A Canadian example of integrating qualitative and quantitative approaches. BOSAI Global Risk Forum 2017, Sendai, Japan
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No

Broadcast Interviews

2022/09/10	Pakistan floods 2022, CityNews
2022/04/24	Extreme Heat Report released by Climate Centre, U Waterloo, CBC Radio One CBT
2022/04/22	Extreme Weather, CTVNews
2021/06/29	Florida Condo Building collapse, CTV News
2019/03/08	School bus accidents, Communication with Erin Petenko, NJ Advance Media
2019/01/18	Flood risk and resilience in Toronto, Toronto life, https://torontolife.com/
2018/09/03	Disasters and risk management in Canada, YFile newsletter, York University media
2017/11/26	Earthquake and tsunami risk, BOSAI Global Risk Forum, Japan news media
2017/08/28	Disaster impact of Hurricane Harvey, Daily news, CBC news network
2017/08/10	Severe flooding in Houston and mitigation measures, AM640 Radio, Toronto, Canada, AM640 Radio

Text Interviews

2021/11/12	COP26: A world to move forward, Excalibur
2021/11/08	Splitting Public Safety, Emergency Preparedness, The Hill Times
2020/04/29	Flood and wildfire management during a pandemic, Y-File, York University
2020/04/29	Flood and wildfire management during a pandemic, York University Newsletter
2020/03/09	Stakeholder group feedback on the Emergency Management Strategy of Canada, Public Safety Canada

2020/01/12	False nuclear alert in Pickering, Ontario, Financial Post
2019/05/15	Challenges of disaster relief and humanitarian efforts, York University
2019/01/18	Flood vulnerability in Ontario, Canada, Toronto Life

Publications

Journal Articles

1. Poornima Unnikrishnan Kumaraswamy Ponnambalam Nirupama Agrawal Fakhri Karray. (2023). Joint Flood Risks in the Grand River Watershed. Sustainability.
Submitted
Refereed?: Yes, Open Access?: Yes
Contribution Percentage: 41-50
2. Kawser Ahmad Emdad Haque Nirupama Agrawal Sadman Sakib. (2023). Nature-triggered disasters and the involvement of armed forces: exploring a civil-military collaborative framework. Canadian Journal of Emergency Management.
Submitted
Refereed?: Yes, Open Access?: Yes
Contribution Percentage: 41-50
3. Rehana Rajabali Nirupama Agrawal. (2022). Taming the flow, then and now: A Canadian case of floodplain management. Frontiers of Water.
Published
Refereed?: Yes, Open Access?: Yes
Contribution Percentage: 91-100
4. Amar Deep Regmi Nirupama Agrawal. (2022). A simple method for landslide risk assessment in the Rivière Aux Vases basin, Quebec, Canada. Progress in Disaster Science. 16
Published
Refereed?: Yes, Open Access?: Yes
Contribution Percentage: 91-100
5. Haque CE, Berkes F, Fernández-Llamazares Á, Ross H, Chapin T, Doberstein B; Reed M, Agrawal N, Nayak P, Etkin D, Doré, M, Hutton D. (2021). Social learning for enhancing social-ecological resilience to disaster-shocks: A policy Delphi approach. Disaster Prevention and Management.
Published
Refereed?: Yes, Open Access?: No
Contribution Percentage: 31-40
6. Nirupama Agrawal Indra Adhikari Nathan Yiu. (2021). Disaster risk in Canada – a data-driven discussion. Canadian Journal of Emergency Management. 1(2): 1-19.
Published
Refereed?: Yes, Open Access?: Yes
Contribution Percentage: 91-100
7. Chondol, T., Panda, A.K., Gupta, A.K., Agrawal, N. and Kaur, A. (2020). Chondol T, Panda AK, Gupta AK, Agrawal N, Kaur A (2020). The role of perception of local government officials on climate change and resilient development: A case of Uttarakhand, India. Int. J Disaster Resilience in the Built Environment.
Published
Refereed?: Yes, Open Access?: No
Contribution Percentage: 51-60

8. Nirupama Agrawal, Mark Elliott, Slobodan P Simonovic. (2020). Risk and Resilience: A Case of Perception versus Reality in Flood Management. *Water*. 12(1254)
Published
Refereed?: Yes, Open Access?: Yes
Contribution Percentage: 91-100
9. Nirupama Agrawal and Robin Cox. (2019). Natural disasters in and 150th commemoration of Canada as a Country. *Natural Hazards*. 98(1): 3-7.
Published
Refereed?: Yes, Open Access?: No
Contribution Percentage: 91-100
- [10.](#) Peter Tsasis, Nirupama Agrawal and Natalie Guriel. (2019). An Embedded Systems Perspective in Conceptualizing Canada's Healthcare Sustainability. *Sustainability*. 11(2)
Published
Refereed?: Yes, Open Access?: Yes
Contribution Percentage: 31-40
11. Nirupama Agrawal Alireza Jahanandish. (2018). Is climate change impacting Rideau Canal Skateway, the world's longest skating rink?. *Natural Hazards*.
Published
Refereed?: Yes, Open Access?: No
Contribution Percentage: 51-60
12. Dumbuya B, Nirupama N. (2017). Disasters and longterm economic sustainability: a perspective on Sierra Leone. *Int. J Disaster Resilience in the Built Environment*. 8(1)
Published
Refereed?: Yes, Open Access?: No
Contribution Percentage: 51-60
13. Jahanadish A, Nirupama N. (2017). Quantitative analysis of earthquake fatalities: case of Iran. *Natural Hazards*.
Published
Refereed?: Yes, Open Access?: No
Contribution Percentage: 41-50

Journal Issues

1. Duminda Perera Ousmane Seidou Nirupama Agrawal Nidhi Nagabhatla. (2023). Water-Related Disasters and Threats. *Sustainability*. : 125.
Submitted
Refereed?: Yes, Open Access?: Yes
Contribution Percentage: 41-50
2. Nirupama Agrawal Robin Cox. (2019). Natural Disasters and 150th Commemoration of Canada as a Country. *Natural Hazards*. : 325.
Published
Refereed?: Yes, Open Access?: No
Contribution Percentage: 51-60

Books

1. Nirupama Agrawal. (2018). *Natural Disasters and Risk Management in Canada – An Introduction*. : 360.
Published, Springer
Refereed?: Yes
Contribution Percentage: 91-100

Book Chapters

1. Nirupama Agrawal Tiana Putric. (2022). Is the Canadian Emergency Management System Prepared for Evolving Threats?. Aisha Ahmad. *The Future of Canadian Security: Vital Insights from Women Experts.* : 75-84.
Accepted, University of Toronto Press
Refereed?: Yes
Contribution Percentage: 91-100
2. Diego Rodríguez De Marco, Marcela Porporato, Nirupama Agrawal. (2022). Man-made disaster – A case of failed governance in a LatAm economy. Amita Singh. *International Handbook of Disaster Research.* : 1-22.
Published, Springer Singapore
Refereed?: Yes
Contribution Percentage: 31-40
3. Katie Subbotina and Niru Nirupama. (2017). Natural Disasters and Health Risks of First Responders. Anthony J Masys Leo SF Lin. *Asia-Pacific Security Challenges.* : 85-122.
Published, Springer International Publishing
Refereed?: Yes
Contribution Percentage: 61-70

Magazine Entries

1. (2020). The future of emergency management. *HazNet.* (14-1)
Contribution Percentage: 51-60

Online Resources

1. Nirupama Agrawal. Agrawal N (2020). COVID-19: A Perspective of a Disaster Management Professional, *eMediHealth*, May 19, 2020. (2020).
Contribution Percentage: 91-100

Conference Publications

1. (2020). Floodrisk mitigation through understanding and adaptation – a Canadian case study. Eighth International Conference on Flood Management (ICFM8) (48-50). ICFM
Abstract
Published
Refereed?: Yes, Invited?: No
Contribution Percentage: 91-100
2. (2017). ResilSIM—A Decision Support Tool for Estimating Resilience of Urban Systems to Flooding. ICFM7 (91-92). ICFM
Abstract
Published
Refereed?: Yes, Invited?: No
Contribution Percentage: 31-40
3. (2017). A Canadian example of integrating qualitative and quantitative approaches. BOSAI IDRC Sendai 2017, Japan Nov 25-28 (24-25). IDRC
Poster
Published
Refereed?: Yes, Invited?: No
Contribution Percentage: 91-100

4. (2017). Disaster adaptiveness, resilience, and capacity building by accounting for people's perception: A Canadian case study. 7th Int. Conference on Flood Management (169-170). ICFM
Abstract
Published
Refereed?: Yes, Invited?: No
Contribution Percentage: 91-100