



# Miranda House

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**Name:** Prof. Rakhi Parijat

**Department:** Geography

**Current Designation:** Professor

**Email id:** rakhi.parijat@mirandahouse.ac.in

**Academic Qualifications:**

- PhD awarded in 2007 from Dept of Geography, Delhi School of Economics, University of Delhi.
- MPhil, 1996 Dept of Geography, Delhi School of Economics, University of Delhi.
- MA Geography in 1993 from Dept of Geography, Delhi School of Economics, University of Delhi.
- BA (Hons) Geography in 1991 from KMC, University of Delhi.

**Specialized Courses**

- Diploma in Experiential Education and Practice, conducted by Kaveri College of Arts, Science and Commerce, Pune (2016-17).
- One-month course on Community-based Disaster Management organized by National Institute of Disaster Management (sponsored by The World Bank), 2008.
- Three-month course on Photogrammetry & Remote Sensing from IIRS (Department of Space, GOI) Dehradun, April – June 2000.

**Field of Specialization and Research Interest:**

- Environment, Urban Ecology and Sustainability
- Disaster Management
- Remote Sensing
- Experiential Education

**Total Teaching Experience:** 30 years

**Teaching at Miranda House since:** November 2000



# Miranda House

## UNIVERSITY OF DELHI

### Research Work and Publications

#### *Published Research Papers in Referred/Peer-Reviewed or UGC listed Journals*

S. No.	Title of the Paper	Journal Name	Year	Vol. No.	Page No.	ISSN No.	Impact Factor	SCOPUS Indexed	Authorship	Reference number of UGC -
1	Establishing the relationship between land use land cover, normalized difference vegetation index and land surface temperature: a case of lower son river basin, India	Geography and Sustainability	2024	5(6)	1-9	2666 - 6839	9.7	Yes	Joint	GEOSU S 165
2	Recreating Sustainable Societies Through Experiential and Peer learning in Higher Education	International Journal for Multidisciplinary Research	2023	5(6)	1-9	2582 - 2160	9.24	No	Single	IJFMR23 069900
3	Food Choices, Health and Sustainability	Journal of Emerging Technologies and Innovative Research	2023	10(11)	150-160	2349 - 5162	7.95	No	One of two Authors	JETIR23 11516
4	Community based Adaptation to Climate Change through Agro	International Journal of Innovative Science and Research Technology	2023	8(10)	1391-1398	2456 - 2165	7.18	No	One of two Authors	IJISRT23 OCT14 84



# Miranda House

## UNIVERSITY OF DELHI

	Ecological Reforms in India									
5	Living Sustainably for a Better Future	International Journal of Development Research	2023	13(9)	63646 - 63649	2230 - 9926	8.05	No	Single	37118
6	Review of Soil and Water Assessment tool for Watershed Analysis in India and China: Opportunity and Challenges	Journal of Emerging Technologies and innovative Research	2022	9(10)	b588-b595	2349 - 5162	7.95	No	Joint	JETIR2210184
7	Shaping the Community's Disaster resilience through Education and Research	International Journal of Innovative Science and Research Technology	2022	7(9)	583-589	2456 - 2165	7.18	No	First Author	IJISRT22SEP550
8	Ageing Population: An ignored Human Capital in the Path Towards sustainability	International Journal of Research and Analytical Reviews	2022	9(2)	70-77	2348 - 1269	7.17	No	Second Author	IJRAR22B3842
9	Is Uttarakhand a Hotbed of Disasters? Learning Experiences from the Kedarnath Tragedy	International Journal of Research and Analytical Reviews	2021	8(4)	602-611	2348 - 1269	7.17	No	First Author	IJRAR21D2419
10	Homestay	International	202	6(8)	139-	2455	6.38	No	Joint	RRJ2021



# Miranda House

## UNIVERSITY OF DELHI

	Tourism Potential in Garhwal Himalaya: A Case study of Pauri Garhwal, Uttarakhand	Journal of Multidisciplinary	1		148	- 3085				060825
11	Assessment of Reverse Migration during First Wave of COVID 19: A Case Study of Hilly Districts of Uttarakhand	International Journal of Research and Analytical Reviews	2020	7(4)	113-122	2348 - 1269	7.17	No	Joint	IJRAR1 AA1761

- Field survey and research on Disaster Resilience for Educational Institutes, 2019.
- Monograph on Disaster Education: Developing a Culture of Disaster Resilience in Capacity Building workshop on Social Science Approach to Disaster Research by Special Centre for Disaster Management, JNU on 5-18 Feb 2018.
- Field research on Sustainable Growth Strategies for Rural Communities in Pauri Garhwal, Uttarakhand, 2017-18.
- Project Coordinator for Neighbourhood Mapping in collaboration with JNU DRP Centre, 2016-2017; Report submitted on Neighbourhood Disaster Risk and Vulnerability Mapping in and around University of Delhi.
- Project Coordinator for Delhi University Innovation Project, 2014-15 on Disaster Preparedness and Developing Strategy for Vulnerability Reduction through IEC.
- Principal Investigator for Delhi University Innovation Project, 2012-13 on Miles on Yamuna.
- Paper on 'Community Perception and Environmental Behaviour' in a book edited by Dr Subhash Anand, Research India Press, New Delhi in 2011.
- Paper on Land use, Transportation and Delhi's Changing Environment for GLP handbook, 2010.
- Field research on Fuel Efficient Multi Modal Sustainable Transportation for Urban Spaces, 2008.
- Paper with Dr R B Singh on 'Ecological Impact of the Land Use Change in Delhi Ridge: Anthropogenic Forces and Spatial Realities' in a book edited by Dr R B Singh, titled "Urban Sustainability in the Context of Global Change", published by Oxford and IBH Pub. Co., New Delhi in 2001.
- Paper 'Ecological Impact of the Land Use Change in Delhi Ridge in a book edited by Dr R B Singh published by Science Publishers Inc, UK in 2001.
- Paper on 'The Degrading Ridge of Delhi: Causes and Consequences' in Souvenir and Abstracts volume of the Ninth Conference of IGI in January 1998.



# Miranda House

## UNIVERSITY OF DELHI

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### **Educational Resource Material Developed:**

- Resource material on Environmental Education for school curriculum 2007.
- Handbook on Geography- Comprehensive Guidelines for Academic Excellence in Geography, PGT, SCERT, 2007

### **Research Guidance and Evaluation:**

- PhD thesis evaluation on Disaster Risk Reduction, JNU, 2021
- Mentor for Geographers Youth Conclave six months research project on Use of social media as Research Tool in Geography: Shifting Paradigms and Emerging Issues at SBSC, University of Delhi, Delhi. Topic- Service Geography through a Social Media Lens: The Dabbawala's Healthy Alternative to Convenience Food. Research Presentation by students in 28-29 January 2021 and won the first position.
- Mentor for Geographers Youth Conclave six months research project on Sustainable and Innovative Environmental Practice by SBSC, University of Delhi. Topic- Re-imagining Sustainability: Fashion in the 21<sup>st</sup> Century. Research presentation in 30-31 January 2020.
- Mentor for Geographers Youth Conclave six months research project on Everyday Geographies of Delhi: Theorising Experiences, by SBSC, University of Delhi. Topic- Breaking the Silence and Myths: Theorising Experiences of Women in Delhi. Research Presentation in 29-30 March 2019.
- Supervised MA dissertations for the Students of School of Environmental Studies, Delhi University, 2007.

### **Membership Of Professional Bodies:**

- Member, Faculty Enrichment Panel, DPS Society.
- Expert Committee for teacher's selection in Srijan School, Delhi.
- Member, Expert Panel of Kendriya Vidyalaya Sangathan Teacher's Selection Board.
- Member of Academic Panel in GIS Institute, Noida.
- Life Member of Association for Geographical Studies (AGS)
- Life Member of National Association of Geographers India (NAGI).

### **Administrative Responsibilities:**

- Third term as Teacher in charge of the Department.
- Founder member and convenor of Centre for Environmental Studies and Disaster Management (CESDM) since Nov 2021.
- Founder member- December 2006; and convenor of Adventure Club
- Founder member and convenor of Disaster Preparedness Team 2015 as voluntary group, and as society in January 2020.
- Have been members of several societies in different time periods such as NSS, Hostel Committee, Placement Cell, Music society, Fine Arts and BA Prog Society.
- Member, Courses Committee for developing syllabus for undergraduate programme for UGCF, LOCF, CBCS, FYUP and Three-year semester course at Delhi University.



# Miranda House

## UNIVERSITY OF DELHI

- Deputy Superintendent of Undergraduate Examination May-July 2024.
- Deputy Exam Coordinator, Evaluation Cell of Delhi University's in 2013.
- Deputy Exam Coordinator, Evaluation Cell of Delhi University's School of Open Learning in 2013.

### **Invited talks/Session chair/Resource person:**

- Invited lecture on Indigenous Knowledge and Disaster Risk Management at National Institute of Disaster Management and Recognize Avail Transform Heritage, 30 Nov 2022.
- Invited Lecture- Paper Presentation on Responsibilities and Training for Youth during a Nuclear Disaster organized by NAPSIPAG Disaster Research Group, 19 Apr 2022.
- Co-Chair for the Technical session VIII in the international conference on Water, Food and Nutrition Security for Health and Wellbeing by SBSC on Dec 13-14 2021.
- Co-Chair for the Technical session V- Hazards, Disasters and Integrated Management in International Conference on Exploring the Application of Solidarity Approach in Geography by SBSC on 5-6 April 2021.
- Panelist for International Women's Day event by NIDM- Experiences from Women Leaders in the Area of DRR. Topic- DRR: Challenges and Opportunities for Young Women Leaders presented on March 8, 2021.
- Invited lecture at SPM College on April 29 2020 Topic- Disaster Resilience and Our Responsibilities.
- Discussant in Review of DM Act webinar organized by NIDM, July 4 and 6, 2020.
- Panelist for webinar on Encouraging Greater Involvement and Leadership of Women in times of Covid 19 by NIDM on July 17-18, 2020.
- Panelist for Asian Tsunami Dialogue- Lessons learned, Challenges Remain- Role of Youth and Community in Disaster by NIDM and ADRID at Ambedkar International Auditorium, ND on December 26, 2019.
- Delivered a talk on Disaster Resilience at Kalindi College on Sept 18, 2019.
- Panelist for National Consultative Workshop for University Network for DRR by NIDM and UNISDR on April 5-6 2019.
- Panelist for Global Symposium on Artificial Intelligence in Governance and Disaster Management by Special Centre for Disaster Research, JNU on March 11-13, 2019.
- Resource person for DPS Teacher's Enrichment Programme, on Dec 2, 2017 and; July 27, 2017.
- Conducted workshop on Mapping Disasters Risk and Vulnerability at SPM college on Sept 6, 2017.
- Resource person for talk organized by DPS-RKP on Disasters; and Geography for class XI and XII on Aug 2, 2017.
- Presented a paper on DRR: Responsibilities and Challenges for Educational Institutes in 9<sup>th</sup> International Geographical Union Conference on Land Use Change, Climate Extremes and DRR by SBSC on March 18-20, 2016.
- Panelist in Round Table Meet by Sphere India on Humanitarian Coordination and Policy Advocacy, August 17, 2015.



## Miranda House UNIVERSITY OF DELHI

---

- Delivered Special lectures on Spatial Technology; Career paths in Geography in Modern School 2015.
- Presentation on Disaster Risk Reduction and Preparedness at SAARC Round Table Conference on Youth and DRR, December 12, 2014.
- Resource Person for DPS Teacher's Enrichment Programme, August 27, 2014.
- Special Alumni lecture at Manav Sthali School on Career Paths, April 15, 2014.
- Visiting faculty at GIS Institute, Noida (affiliated to University of Salzburg, Austria) 2002-2010.
- Paper on Land use, Transportation and Delhi's Changing Environment at GLP Open Science Meeting Conference, at Arizona State University, USA in October 2010.
- Presentation on Ecological Changes in The Delhi Ridge Forest at Remote Sensing of Land Use and Land Cover Conference at University of Bonn, Germany, organized by European Association of Remote Sensing Laboratories in November 2009.
- Resource Person for GIS Training Workshop organized by National Institute of Health and Family Welfare, Delhi in 2006.

### **Conferences/workshops Organised:**

- Organized internship programmes for college students on a regular basis since 2022.
- Three Months Certificate Course on Sustainable Pathways to Environment, Society and Governance from October to December 2023 as convenor of Centre for Environmental Studies and Disaster Management.
- Member, Organizing committee for five days training programme on Disaster Management in collaboration with NIDM from Nov 23-27, 2021.
- Organized a Summer Research workshop on 'Risk and Vulnerability Assessment from Disasters' in collaboration with the Department of Geography from July 5-19 2021 as Convenor, Disaster preparedness Team.
- Webinar on "The Epistemology of Disaster" on International Day for Disaster Risk Reduction as Convenor, Disaster preparedness Team, October 13 2021.
- Webinar on "Road Safety" in collaboration with Hero MotoCorp as Convenor, Disaster preparedness Team, March 18 2021.
- Organized two days' workshop on "3R's: RESPONSE, RESCUE AND RELIEF" as Convenor, Disaster preparedness Team in Feb 2020.
- Organised training session for Disaster Risk Reduction for visually impaired students as Convenor, Disaster preparedness Team in Feb 2019.
- Organized three days' workshop on Sashakt: Be One Step Ahead of Disaster as Convenor, Disaster preparedness Team in Dec 2018.
- Organised First Aid Seminar for students and Faculty as Convenor, Disaster preparedness Team in March 2018.
- Organized Workshop On "Social and Psychological Impacts of Disasters"
- Documentary on Disaster Sensitization- Mapping through the Lens by DPT as Convenor, Disaster preparedness Team in 2018.





## Miranda House UNIVERSITY OF DELHI

---

- Organised Three-day workshop on Disaster Preparedness, Response and Recovery with Ms Laurie Levine, Mass Care Specialist, American Red Cross, at Miranda House in Feb 2017.
- Educational Study Tour to Jogimarhi, Uttarakhand to study on Environmental Education and Sustainability, a collaborative programme of Dept of Geography with Dept of Elementary Education, to look for internship opportunities and Community Services, December 20-23, 2016.
- Three Day Workshop on Sensitization on the Effects of Chemicals in Daily Use Products as Convenor, Disaster preparedness Team, September 7-9, 2016.
- One Day Workshop on Application of GIS in Disaster Risk Mapping as Convenor, Disaster preparedness Team, August 29, 2016.
- Conducted workshops on Disaster Risk Reduction in collaboration with National Institute of Disaster management and National Disaster Response Force, June 10-15, 2015.
- Mentor for yearly Inspire Internship Programme at Miranda House for School students, in collaboration with Department of Science and Technology, GOI, since 2010-2015.
- Organised and attended Course on First Aid & Home Nursing by St John's Ambulance, 2014.
- Co-convenor for National Seminar on Delhi: The Saga of a Mega City- Space, Society and Culture organized by the Department in March 01, 2011
- Co-Convenor & Resource Person for training CBSE & SCERT teachers on Spatial Technology in 2004.

### **Seminars/Workshops/Conferences attended:**

- Webinar series 01 on The Leadership Lens: Fostering Innovations for Covid-19 Sensitive DRR by Asian Disaster Preparedness Centre, Bangkok on June 19, 2020.
- Webinar on Intelligent Backbenchers by Together for Education/Notebook School on Sept 9, 2020.
- Webinar on The New Normal by NIDM on May 5, 2020.
- Reinforcing Coastal Zone Management: Saving Lives, Habitat and Livelihood of People by Special Centre for Disaster Management, JNU and Pondicherry University on Nov 15-17 2018.
- Global Resilience Conference: Integrated Learning and Leader Development by United Nations Institute for Training and Research and ACTS Group of Institutions, Bangalore on October 3, 2018.
- Bethinkalism: A Journey, a Core in all isms by Special Centre for Disaster Management, JNU on September 5, 2018
- Climate Change Conclave- Climate Actions for India's Commitment to Combat Climate Change by SBSC, Evening on April 21-22, 2018.
- Reinforcing Institutional Decision Making in Disaster Preparedness and Mitigation by Special Centre for Disaster Management, JNU on Feb 16-18, 2018.
- Capacity Building workshop on Social Science Approach to Disaster Research by Special Centre for Disaster Management, JNU on Feb 5-18, 2018.
- First Aid Training- First Aid, CPR and AED by Soul Guards LLP at Miranda House on January 24, 2018.





# Miranda House

## UNIVERSITY OF DELHI

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- Participated in 4<sup>th</sup> National Conference on Science and Geopolitics of Himalaya-Arctic-Antartic organized by LIGHTS in collaboration with School of Environmental Science and CSRD, JNU, Nov 30 and Dec1, 2017.
- Participated in 3<sup>rd</sup> Annual 2016 Experiential Educator's Conclave at The Heritage School, Gurgaon, 10-11 December, 2016.
- Participated in National Conference on Himalayan Perspectives: Land, People and Resources, Kamala Nehru College, April 12, 2016.

### **Synergy outside college:**

- Have been continuously collaborating with Disaster Management agencies like NIDM, NDRF and World Vision.
- Collaborated with Special Centre for Disaster Research, JNU.
- Collaborated with schools and colleges to support Disaster Preparedness activities.