

A.N. COLLEGE, PATNA

CURRICULUM VITAE

Name: Dr Bhawana Nigam

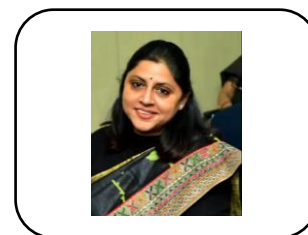
Designation: HEAD and Assistant Professor (Senior Grade)

Department: Geography

E-Mail Id: bhawananigam65@gmail.com

Research Profile:

- VIDWAN Id Link
- Google Scholar Link:
- ORCID ID Link:
- ResearchGate ID Link:



1. Personal Information

- Name: Dr Bhawana Nigam
- Designation: Assistant Professor (Senior Grade)
- Department: Geography
- Date of Birth: 02/12/1981
- Gender: female
- Category: General
- Address (Residential): plot no. 11, Vishwesharya Nagar, Danapur, Patna.
- Mobile Number: 9693355633
- Email ID: bhawananigam65@gmail.com
- Date of Joining: 04/01/2018

2. Educational Qualifications

Name of examination	Name of Board/University	Year of passing	subject	division	Percentage of marks.
PH.D	Patna University.	May 2012	Geography (Changing literacy pattern and its socio-economic implications for tribes in Rajmahal Highlands of Jharkhand)	-	-
National Eligibility Test (NET)	University Grant Commission (UGC)	Dec. 2004	Geography	-	-
Master of Arts (M.A.)	Jawaharlal Nehru University, New Delhi. (JNU)	2005	Geography	1st	77%, distinction.

Bachelor of Arts (B.A.)	Patna University, Patna Women's College.	2003	Geography (Hons.) Hist. and Eng.	1st	71.25%
Intermediate Arts.(I.A.)	Bihar Intermediate Council, Patna	2000	Geography, Psychology, Economics	1st	72%
Matriculation	B.S.E.B, Patna, Carmel High School	1998	Science, SST, Eng, Hin, Maths, Eco, Computer.	1st	70%

3. Teaching Experience

Institution	Designation	Duration	Years
Patna Women's College, Patna	Ad- Hoc Lecturer	2006-2016	10
Nalanda College, Bihar Sharif	Assistant Professor	2018-2019	01
A N College	Assistant Professor (Senior Grade)	2019- till date	07

4. Research Experience (if any)

- Area of Specialization: Environment
- Research Experience (Years):01

5. Publications

(a) Books / Chapters

- Recreational Facilities and Safety in Urban Public Green Open Spaces, Parks, and Playgrounds in Patna Municipal Corporation of Bihar. **Springer Nature**, Book Chapter- The Built Environment and Public Health in India. ISBN-978-981-95-1865-4, Print ISBN-978-981-95-1864-7. Vol.85 <https://link.springer.com/book/10.1007/978-981-95-1865-4>
- Stream morphology changes under climate change, **Elsevier** -Hydro System Restoration Handbook, Stream flow Recharge and Lake Rehabilitation, Streamflow Recharge and Lake Rehabilitation. vol.01, November 27, 2024, Pages 161-169, ISBN 9780443298028, <https://doi.org/10.1016/B978-0-443-29802-8.00012-1>.

- Social, Economic and Environmental Impacts of Urban Sprawl: A Case Study of Patna Urban Agglomeration. **Book chapter** - Urban Ecosystem and Sustainable Development. ISBN 978-93-91139-76-6.2023.
- Role of Traditional and Indigenous Knowledge in Disaster Risk Management. **Book chapter-** Indigenous Knowledge and Disaster Risk Reduction: Insight Towards Perception, Response, Adaptation and Sustainability. **Springer**, ISBN 978-3-031-26142-8, ISSN 2196-4114. 2023
- International Tourism in India, pre and post Covid -19 Scenario. **Book chapter-**Covid-19 Pandemic and World Tourism -Hospitality: trends, Challenges and Future Prospects. ISBN no978-93-91139-14-8, 2021.
- Urban Health Hazard Due to Water Logging: a case study of Patna Urban Agglomeration. **Book Chapter: Population**, Environment and Sustainable Development. ISBN 978-93-90039-17-3, 2020.
- Women Empowerment through Education: an overall view of Bihar. **Book chapter** Excellence in Higher Education: Emerging Concerns and the Road Ahead. ISBN no. 978-81-9468-78-8,2020.
- Encroachment and the related problems: A Case Study of Patna Municipal Corporation, **Book Chapter-**Development and management of Urban Infrastructure in India. ISBN: 978-93-83684-38-0, 2012.

(b) Research Papers (UGC Care / Scopus / Peer-reviewed) – National & International

- Land Degradation and climate change: A case study of Agricultural Vulnerability and adaptation in Patna District, Bihar, India. Indian Journal of Spatial Sciences –**Peer-reviewed / Refereed Journal**. pp. 87-96, IJSS VOL-17 NO.1 Spring Issue 2026, EISSN: 2249-4316, ISSN: 2249-3921, IF-2.080.
- Infrastructure and Inequality: Assessing Facility Gaps for Women Traffic Police in Patna Urban Agglomeration. Geographical Perspective, Annual **Peer-Reviewed Journal**. Pp. no- 252-264, October 2025, volume 26, ISSN 0970-809X.
- Water Resources, Food Security, and Climate Change Nexus: Challenges and Solutions for a Sustainable Future, Anugrah Jayanti, **Peer-Reviewed Journal**, ISSN: 2454-1133, 2025.
- Problem & Prospects of Female Student Migration in Patna Municipal Corporation Area, International Centre for Scientific Research and Development (ICSRD) **Peer-Reviewed**, Volume 04, Issue 01 (2024) ISSN: 2583-6722.

- Ensuring the Safety and Security of Female Students in Patna: Issues, Challenges, and Solutions, International Center for Scientific Research and Development (ICSRD) **Peer-Reviewed Journal**, Volume 07, Issue 04 (2024), ISSN: 2583-6722.
- Sanitation Challenges Faced by the Women Traffic Police of the Patna Municipal Corporation Area. International Journal of Research and Analytical Reviews (IJRAR), **An International Open Access, Peer-Reviewed and Refereed Journal**, 2024, Issue-1, E-ISSN: 2348-1269, P- ISSN 2349-5138.
- Work-life balance of women traffic police of the Patna Municipal Corporation Area., Manaviki, an **International Peer-Reviewed and Refereed Research Journal of Humanities and Social Science**, 2024, ISSN No- 0975-7880, DoI No.-10.2022-68911792.
- Sustainable Agriculture in a Changing Climate: Women Farmers at the Forefront in Bihar, Geographical Perspective Annual Bilingual, **Peer-Reviewed Journal**, volume-25, October-2024, by the Association of Geographers, Bihar and Jharkhand, ISSN-0970-809X.
- An Analysis of Climate Change and Sustainable Development Programs in Bihar, International Centre for Scientific Research and Development (**International Journal**), Volume 01, Issue 01 (2023) ISSN: 2583-6722.
- Challenges of Rural Handicrafts Industry in Bihar: A Case Study of Brass Industry of Parev (Bihita, District Patna), Geographical Perspective Annual Bilingual, **Peer-Reviewed Journal**. October-2022, by the Association of Geographers, Bihar and Jharkhand, ISSN-0970-809X.
- Urban sprawl and its impact on the human environment, a case study of Patna urban agglomeration, Bihar, South India Journal Of Social Sciences (**UGC Care Approved**), Group 1, Bi-Annual Journal, ISSN: 0972, 2022.
- Causes and Effects of Tobacco use among Young Girls: A case study of Patna Municipal Corporation. ANC Journal for Discourses in Humanities and Social Sciences, **Annual Bilingual, Peer-Reviewed Journal**, Volume-II, Number 1-2 Jan-Dec. Patna. 2021 ISSN 2582-9122.

(c) Conference / Seminar Papers – National & International

1. Seminars And Conferences Attended: Paper Presentation.

(i) Paper presentation: **Women Empowerment Through Education: An overall view of Bihar**, NAAC sponsored National Seminar On Excellence in Higher Education: Emerging concern and the Roads ahead, 8- 9 Feb, 2019, Organised by IQAC, Patna Women College (PUBLISHED)

(ii) Paper presentation: **Water Resource and its Potential Utilisation and Development in Bihar, A Case Study of Patna Urban Area**, 40th Indian Geographers Meet 2019, National Conference on Water, Sustainability, Livelihood and Climate Change, 12-14 March 2019

Organized by CSRD, JNU, New Delhi.

(iii) Paper presentation: **The Issues and Challenges of Sustainable Ecological Agriculture in Bihar, A case study of Patna Urban Area**, XXI Annual Conference and National Seminar on Agro- Agro-biodiversity and Sustainable Development Strategy, October 12-13, 2019, Organised by AGBJ, Bodhgaya. (PUBLISHED)

(iv) Paper presentation: **Urban Health Hazard due to waterlogging: A Case Study of Patna Urban Agglomeration**, National seminar on Population, Health and Sustainable Development Goals: Performance and Prioritizing Policies, February 13-15, 2020, organized by International Institute for Population Sciences, Mumbai in collaboration with PRC, Patna University, Bihar. (PUBLISHED).

(v) Paper presentation: **International Tourism in India, pre and post Covid -19 Scenario** Participated in the International Webinar on 'The Role of E-Learning during Lockdown: Academic Challenges and the Road Ahead', held on 8th and 9th May, 2020, organised by, IQAC, Patna, women's college, Autonomous, Patna University, Patna (PUBLISHED).

(vi) Paper presentation: **International Tourism in India, pre and post Covid-19 Scenario**, Online International conference on Covid-19 Pandemic and World Tourism -Hospitality: trends, Challenges and Future Prospects, hosted by IQAC of Patna Women's College (Autonomous) on 26 and 27 may 2020.(PUBLISHED)

(vii) Paper presentation: **Challenges and Issues in International Tourism in India, a Covid-19 Scenario**. International E- Conference on Implication of Covid-19 on Local & Regional Sustainable Development: A Glocal Perspective. 27-28 June 2020, Organised under the Aegis of the International Geographical Union (IGU)- India.

(viii) Paper presentation: **An Analysis of Climate change and Sustainable Development Programs of Bihar**, XVI DGSi International Geographical Online Conference on the focal theme "Environment, Population & Sustainable Development". Organized by Center for Geographical Studies, Aryabhata Knowledge University, Patna. September 10-12, 2021.(PUBLISHED)

(ix) Paper presentation: **An assessment of Sustainable Development Programs of Bihar to climate change**, International E-Conference on Sustainable livelihoods: Water, Climate Change and Geo-Spatial Development Organized by Institute of Public Enterprise, Hyderabad In collaboration with Lanka Rain Water Harvesting Forum, Pelawatta, Battaramulla, Sri Lanka;

Symbiosis Institute of Geoinformatics, Symbiosis International (Deemed University), Pune; & Tarun Bharat Sangh, Alwar, Rajasthan on 7-8 October 2021.

(x) Paper presentation: **Social, Economic, and Environmental Impacts of Urban Sprawl, A case study of Patna Urban Agglomeration**, International web conference on Understanding Urban Ecosystem and Moving towards Sustainability. Organized by the Department of Geography, Patna Women's College (Autonomous) on August 22-24, 2021(PUBLISHED)

(xi) Paper presentation: **Problems and Prospects of female student migration in Bihar: a case study of Patna Municipal Corporation**, XXIII Annual Conference & National Seminar of AGBJ on Contemporary Trends of Migration from Bihar and Jharkhand S. B. College, V. K. U, Ara. October 15 -16, 2022.

(xii) Paper presentation: **Adaptation to climate change and sustainability: a case study of women in Agriculture in Bihar**. XVII DGSI, International Geography Conference organized by the Department of Geography, Institute of Science, BHU, Varanasi. **25th -27th February; 2023**.

(xiii) Paper presentation: **Adaptation to climate change and sustainability: a case study of women in Agriculture in Bihar**. Annual International Conference of the Royal Geographical Society (with the Institute of British Geographers). **29 August- 1 September 2023, London, U.K. (PUBLISHED)**

(xiv) Paper presentation: **Sustainable Farming in a Changing Climate: Women Farmers at the Forefront in Bihar**, 25th Annual Conference and National Seminar AGBJ on "Climate Change, Agricultural Practices and Food Security", **Patna University, Patna, 27-28 October, 2024**

(xv) Paper presentation: **Land Degradation, Climate Change, and Agricultural Resilience in Patna District**. International conference on Integrating urban and tribal development for achieving sustainable development goals: vision for Viksit Bharat@2047, Department of Geography, BHU, Varanasi. 9-11 October, 2025

(xvi) Paper presentation: **Tribal Area Development Programme (Tadp) Success in Bihar: Empowering Tribal Communities for Viksit Bharat@2047**. XXVI Annual Conference and National Seminar AGBJ on focal theme "Sustainable Utilisation of resources of Bihar & Jharkhand @ Viksit Bharat 2047". Association of Geographers, Bihar and Jharkhand, at PG Department of Geography, Vinoba Bhave University, Hazaribagh, 11-12 October, 2025.

(xvii) keynote address: **Adaptation to climate change and sustainability: a case study of women in Agriculture in Bihar**. Multidisciplinary International Seminar (MIS-SSC-2026) on "Beyond Boundaries: Multidisciplinary Education and Research for a Rapidly Transforming Scientific World", S. S. College, Jehanabad. Magadh University, Bihar. 19 - 21 February 2026.

6. Research Projects

- As CO- Pi-Urban Biodiversity study with city Biodiversity Index assessment- Governance and Management (Arrah and Buxar)., Bihar State Biodiversity Board, 4 lakhs, Dec 2025 to Dec. 2026.

7. Conferences / Workshops / FDPs Attended

- Completed Orientation course with an ‘A’ grade, at 81st **Orientation Programme** organized by UGC, HRDC, Patna University, Patna from 24.11.2018 to 22.12.2018.
- Completed “online Certificate course on **Research Methodology**” organised by International Benevolent Research Foundation, Kolkata, from 26th – 30th April 2020.
- Completed 21 days Virtual Course on “**Research Methodology**” jointly organized by K.S. Ranga Swamy College of Technology and Nature science foundation, Coimbatore, Tamil Nādu, India from June 05 -25,2020.
- Completed One-week **Faculty Development Programme** on La Tex & Xfig organized by IQAC, A.N. College, Patna in association with IIT Bombay through Spoken Tutorial and Remote Learning (An Initiative of National Mission on Education through, ICT, MHRD, Govt. of India.) from 11th to 17th may 2020.
- Completed **Refresher course**, with ‘A+’ grade at UGC- Sponsored Refresher course organized by UGC, HRDC Kumaun University, Nainital (Uttarakhand) from 17-09-2021 to 30-09-2021.
- Completed 2nd **Refresher course**, with ‘A+’ grade at UGC- Sponsored Refresher course organised by UGC, HRDC, Doctor Hari Singh Gour Vishwavidyalaya, A Central University, Sagar, M.P. from 09-11-2022 to 22-09-2022 in online mode.
- Completed **3rd Refresher course**, with ‘A+’ grade at UGC- Sponsored Refresher course organised by UGC, MMTC, Jamia Millia Islamia University, New Delhi. from 03-02-2025 to 15-02-2025 in online mode.
- Participated 42nd 8-days Online **NEP Orientation and Sensitization Programme** organised by Jamia Millia Islamia University, New Delhi, from 6th March to 14th March, 2026.

8. Conferences / Workshops Organized

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9. Administrative Experience

- Worked as **Deputy Proctor** at A N College, Patna, from 2019 -2022
- Member of **Research Committee**, A N College, Patna. 2019 onwards
- Member of NAAC committee, A N College, Patna. 2019 onwards
- Member of the Executive **Alumni Committee**, A N College, Patna. 2019 onwards.
- Member of **Annual Report Committee**, A N College, Patna. 2019-2020.
- Member of the **cultural committee** for Bihar Diwas, A N College, Patna, 2022
- Member of the **Internal Audit Committee**, A N College, Patna, 2022
- Professor in charge of EWM department of A N College, Patna Jan.2023
- Member of **Girls' Common Room Committee**, A. N. College, Patna,2023

- **Coordinator** of AEC- Disaster Risk Management for UG Sem -3, 2023 onwards.
- **Member of IQAC**, A. N. College, Patna, 2023 onwards.
- **Head of the Department** of PG Deptt. Of Geography, 2025

10. Awards / Recognitions

11. Membership of Professional Bodies

- Member of DRC P.G. Department of Geography, PPU since 2023
- Member of the Board of studies, Department of Geography, PPU 2024.
- Editorial Member of the Edwin Group of Journals, 13 November 2023.
- Member of PGRAC, Dept. of Geography, Patliputra University, 2025.
- Counsellor, IGNOU, Patna.
- Visiting Faculty, College of Commerce, Science and Arts, for NET training.

12. E-Content / Lecture Videos (if any)

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13. Research Profiles

- VIDWAN Id Link
- Google Scholar Link: JavaScript: void (0)
- ORCID ID Link: <https://orcid.org/0000-0001-5241-1125>
- Research Gate ID Link:

14. Skills

- Teaching methods: classroom lecture, outdoor survey, field observations, chalkboard method, report writing.
- ICT Tools- PowerPoint Presentation, GIS labs, smart board.
- Languages Known: Hindi and English.

15. Any Other Relevant Information

Details of Research Scholars awarded PhD degree-

- Jaya Bharti, PPU Reg. no.202111200020, Problem and Prospects of Female Student Migration in Bihar: A Case Study of Patna Municipal Corporation, March 2026
- Vandana Singh, PPU Reg. no. 202111200020, The Occupational Challenges of Women as Traffic Police in Patna Municipal Corporation Area: A Study in Gender Geography. March 2026.

Declaration

I hereby declare that the above information is true and correct to the best of my knowledge.

Date: 15.04.2026

Place: Patna

Bhawana Nigam

Signature
Bhawana Nigam