

# NIRMALA COLLEGE FOR WOMEN (AUTONOMOUS)

## COIMBATORE

### STAFF PROFILE

**NAME** : Dr. Sr. Helan Jenifer S  
**DESIGNATION** : Assistant Professor  
**DEPARTMENT** : Geography  
**QUALIFICATION** : M.Sc., UGC- NET, Ph.D.  
**EXPERIENCE** : Teaching: 3 Research: Nil  
**AREAS OF SPECIALIZATION** : Urban Geography, GIS and Remote Sensing  
**E-MAIL** : helanrai1229@gmail.com  
**ACADEMIC QUALIFICATIONS** :

DEGREE	YEAR OF COMPLETION	NAME OF THE INSTITUTION	CLASS
Bachelor's Degree(s) B.Sc.	2015	Bharathiar University	D+
Master's Degree M.Sc.,	2018	Bharathiar University	D+
Research Degree(s) Ph.D.	2024	Bharathiar University	Highly Commanded
Other Diploma/ Certificates etc.	2022	UGC NET	Qualified

#### ADDITIONAL QUALIFICATIONS:

DIPLOMA/ VOCATIONAL/ CERTIFICATION	AREA OF SPECIALIZATION	NAME OF THE INSTITUTION/ UNIVERSITY/ AGENCY	YEAR
Nil	Nil	Nil	Nil

#### GRANDS RECEIVED:

EVENT TITLE	AGENCY	AMOUNT	DATE
Seed Money Project	Nirmala College for Women	Rs.23,000	2024-2025

#### PROJECTS COMPLETED:

Project Title	Agency	Amount	Duration
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<i>A Geospatial Study of The Changes in Land use and forecasting in Coimbatore City using QGIS.</i>	Nirmala College for Women	Rs.23,000	1 Year
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#### RESEARCH GUIDANCE:

PROGRAMME	NO. OF SCHOLARS	
	COMPLETED	PURSUING
<b>Ph.D</b>	Nil	Nil
<b>M.Phil</b>	Nil	Nil

#### RESEARCH PUBLICATIONS:

##### INTERNATIONAL:

- [1] Helan Jenifer S and Dr. Jyothirmayi P “*Geospatial Mapping and Assessment of groundwater Depletion due to Urbanization in Coimbatore District*” International Journal of Environment, Ecology, Family and Urban Studies, Vol:11 (2), Page:125-132, ISSN (P): 2250-0065 ISSN(E):2321-0109.
- [2] Helan Jenifer S and Dr. Jyothirmayi P “*Trends of Urban Population Growth in Tamil Nadu, India*” International Journal of Advance and Applied Research, Young Research Association, Vol; 2 (18), Page: 89-95, ISSN: 2347-7075.
- [3] Helan Jenifer, S., & Dr. Jyothirmayi, P. (2023). *A Study of Urbanization in Coimbatore City Corporation, Coimbatore using Geographic Information System*, Indian Journal of Natural Sciences (ISSN: 0976-0997). Vol.14(77), pp. 55403 S5408.

##### NATIONAL:

- [1] Helan Jenifer S, “*A Temporal Analysis of Maximum, Minimum and Mean Temperature Trends in Andhra Pradesh*” Internal Quality Assurance Cell, Nirmala Annual Research Congress (NARC-2019), Nirmala College for Women, ISBN: 9789353911966.
- [2] Helan Jenifer S, “*Geospatial Mapping and Assessment: Impact of Urbanization on Elephant Migration and its Conflict with Human*”, Contemporary Approaches in Sciences & Humanities: Future Prospects (ICCASH-2023), Nirmala College for Women, Coimbatore, ISBN: 9 788195 590780.
- [3] Helan Jenifer S, “*A Study of Wangari Mathai: Women for Sustainable Development*”, Women Equality, Protection and Empowerment- SHEROES FEST 2024, Nirmala College for Women, Coimbatore, ISBN: 9788196974367

- [4] Helan Jenifer S, "*Human - Animal Conflict: Management and Mitigation Measures in Western Ghats, India*", The Western Ghats: Biodiversity Conservation and Ecosystem Management (WGBCEM-2025), Kongunadu Arts and Science College, Coimbatore, ISBN: 9788198500212
- [5] Helan Jenifer S, "*Analysis of Land use/ Land cover Change detection using Remote Sensing and GIS Techniques in Coimbatore City Corporation, Tamil Nadu, India*", Jai Shivaasni Educational Trust, Tenkasi and Nirmala College for Women, Coimbatore, ISBN: 9788198964007.

## **PRESENTATIONS IN CONFERENCE:**

### **INTERNATIONAL:**

- [1] Presented a paper entitled on "*Trends of Urban Population Growth in Tamil Nadu, India*", in the One Day International Multidisciplinary E-Conference on "Recent Trends, Challenges and Issues in Science, Social Science and Languages for Sustainable Development", organized by Jawahar Arts, Science & Commerce College, Anadur India in Collaboration with Global Foundations, Solapur (MS), India held on 04.08.2022.
- [2] Presented a Paper on "*Geospatial Mapping and Assessment: Impact of Urbanization on Elephant Migration and its Conflict with Human*", Contemporary Approaches in Sciences & Humanities: Future Prospects (ICCASH-2023), Nirmala College for Women, Coimbatore, held on 02.02.2023 to 03.02.2023.
- [3] Presented a paper on "*Analysis of Land use/ Land cover Change detection using Remote Sensing and GIS Techniques in Coimbatore City Corporation, Tamil Nadu, India*", Jai Shivaasni Educational Trust, Tenkasi and Nirmala College for Women, Coimbatore, held on 23.11.2025 to 26.11.2025.

### **NATIONAL:**

- [1] Presented a paper on "*A Temporal Analysis of Maximum, Minimum and Mean Temperature Trends in Andhra Pradesh*" Internal Quality Assurance Cell, Nirmala Annual Research Congress (NARC-2019), Nirmala College for Women, held on 27.11.2019.
- [2] Presented a paper on "*A study of Urban Population Growth in Coimbatore City, Coimbatore*", in the International Web Conference on "Understanding Urban

Ecosystem and Moving Towards Sustainability”, Department of Geography, Patna Women’s College with Loreto College, Kolkata held on 22.08.2022 to 24.08.2022.

#### **BOOK PUBLICATIONS:**

- [1] Book Published on “*Course Material on Geography of Economic Activity*”, Nirmala College for Women, Coimbatore, Nov-24, ISBN: 9788198249449.
- [2] Book Published on “*Elements of Cartography*”, Nirmala College for Women, Coimbatore, Jan-25, ISBN: 9788198457424.
- [3] Book Published on “*Lecture Notes on World Regional Geography*”, Nirmala College for Women, Coimbatore, Nov-25, ISBN: 9788199266001.

#### **PARTICIPATION IN CONFERENCES:**

- [1] International Conference on “Contemporary Approaches in Sciences & Humanities: Future Prospects (ICCASH-2023) organized by Nirmala College for Women; Coimbatore held on 02.02.2023 to 03.02.2023.
- [2] International Conference on “Women Equality, Protection and Empowerment”- SHEROES FEST 2024 organized by Nirmala College for Women, Coimbatore held on 24.08.2024 to 26.08.2024.
- [3] International Conference on ‘The Western Ghats: Biodiversity Conservation and Ecosystem Management (WGBCEM-2025)’ organized by Kongunadu Arts and Science College, Coimbatore held on 06.03.2025 to 07.03.2025.
- [4] 2<sup>nd</sup> Global Summit on Science and Sciences on the theme “Innovative Research in Earth Sciences” organized by Jai Shivaasni Educational Trust, Tenkasi and Nirmala College for Women, Coimbatore held on 23.11.2025 to 26.11.2025.

#### **PARTICIPATION IN SEMINARS:**

- [1] Seminar on “Innovative methods for Modern Classroom” organized by The Internal Quality Assurance Cell, Dr.M.G.R. Educational and Research Institute held on 28.12.2024.

#### **PARTICIPATION IN WORKSHOPS:**

- [1] International Workshop Training Series 1<sup>st</sup> Episode on Research Methodology and Academic Writing organized by Department of Geography, Bharathi Women’s College(A), Chennai held on 21.07.2020 to 22.07.2020.
- [2] Workshop on “*Digital Age Pedagogy*” organized by IQAC, Nirmala College for Women, Coimbatore held on 16.06.2023.

[3] Workshop on “*Data Analytics*” organized by Nirmala College for Women, Coimbatore held on 07.10.2023.

[4] Workshop on “*Boosting Engagement: Interactive and Digital Learning Design*” organized by Nirmala College for Women, Coimbatore held on 16.02.2024.

#### **PARTICIPATION IN ORIENTATION PROGRAMME/ INDUCTION PROGRAMME/ SHORT TERM COURSES:**

[1] Participated in NRDMS-DST Winter School on Geospatial Technologies (Level 1) conducted by Department of Geography, University of Madras from 17.02.2020 to 08.03.2020.

[2] Participated in NEP 2020 Orientation & Sensitization Programme conducted by Malaviya Mission Teacher Training Centre (MMTTC), Central University of Kerala from 04.11.2024 to 12.11.2024.

[3] Participated in Faculty Induction Programme conducted by UGC-Malaviya Teacher Training Centre, Bharathiar University, Coimbatore from 26.11.2024 to 23.12.2024

[4] SWAYAM - NPTEL course on “*Conservation Geography*” conducted by Indian Institute of Technology, Kanpur from Jul – Oct 2025.

#### **PARTICIPATION IN FACULTY DEVELOPMENT PROGRAMMES:**

[1] FDP on “*Faculty Excellence in Training and Scholarship (FETS)*”, organized by Asia Network and AIACHE with Madras Christian College held on 23.10.2023 to 24.10.2023.

[2] FDP on “*Artificial Intelligence Tools for Educators*”, organized by IGNITE Life Skill Academy & IQAC, Sacred Heart College, Thevara, Kochi held on 27.10.2023.

[3] FDP on “*Teaching as a challenging profession*”, organized by IQAC and the SKPC Library, SKPC Arts & Science College for Women held on 13.05.2024 to 17.05.2024.

[4] FDP on “*Embracing Sustainability as Opportunity*”, organized by Tamil Nadu Teachers Education University & Academic Staff College & Faculty of Education, Dr. M.G.R. Educational and Research Institute, Chennai held on 03.06.2024 to 07.06.2024.

[5] FDP on “*Data Science and Management of Data*”, organized by Department of Information Technology, Dr. M.G.R. Educational and Research Institute, Chennai held on 12.06.2024.

[6] FDP on “*Beyond Boundaries: Driving Innovation in Research*” organized by

Committee for Research Ethics, Publication & IPR, Auxilium College Gandhi Nagar, Vellore in Collaboration with North East Institute of Social Sciences & Research, Dimapur, Nagaland held on 26.12.2024 to 30.12.2024.

[7] FDP on “*Transforming Higher Education: Faculty Development Programme on Institutional Autonomy and NEP 2020 Implementation*” organized by IQAC and the Mazhzrul Uloom College, Vellore held on 10.05.2025 to 15.05.2025

[8] 5-day National Level Online FDP on “*Outcome Based Education, Binary Accreditation & Usage of AP*” organized by IQAC and St. Mary’s Centenary Degree College, Telangana, India held on 02.06.2025 to 06.06.2025.

[9] FDP on “*Challenges and Issues of Applying Recent Tools and Techniques in Teaching and Research Pedagogy*” organized by Department of Business Administration, St. Joesph’s College (Arts & Science), Kovur, Chennai held on 13.10.2025 to 17.10.2025.

[10] FDP on “*Teaching Methodologies*” organized by IQAC of Stella Matutina College of Education, Chennai held on 22.10.2025 to 29.10.2025.

[11] FDP on “*Generative AI in Higher Education: Emerging Tools and Future Directions*” organized by IQAC of Nirmala College for Women, Coimbatore held on 06.02.2026.

**CONFERENCE/ SEMINAR/ WORKSHOP ORGANIZED:**

Nil

**INVITED SPEAKER/ SESSION CHAIR- CONFERENCE/ SEMINAR/ WORKSHOP:**

Nil

**MEMBER IN BOARD OF STUDIES:**

Nil

**EDITORIAL/ REVIEW BOARD MEMBER:**

Nil

**MEMBERSHIP IN PROFESSIONAL BODIES:**

[1] Life member in Indian National Cartographic Association

[2] Member in Annals of NAGI (2025- 2026)