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#### A SUMMARY OF MY WORK EXPERIENCE:

Sr. No.	Name of Employer	Position/Designation	Period of Employment
1.	Indira Gandhi National Tribal University, Amarkantak	Assistant Professor	02/05/2016-Till Date
2.	Ravenshaw University, Cuttack	Assistant Professor	17/06/2013 – 30/04/2016
3.	Central University of Bihar, Patna	Assistant Professor (Contract)	22/07/2010 – 14/06/2013
4.	Indian Statistical Institute, Kolkata	Junior Research Fellow/ Senior Research Fellow	16/08/2004 – 20/07/2010
5.	Kurukshetra University, Kurukshetra	Lecturer (Part Time)	20/08/2003 – 23/03/2004
6.	National Sample Survey Organisation, Government of India	Investigator (Contract)	30/12/1998 – 31/08/2000

## Publications

1. Shyam, B. S., Tandiya, C., Bakshi, S., & Sharma, N. K. (2025). Factors determining ethnomedicinal plants choice in Pushparajgarh Tehsil of Madhya Pradesh, India: Ethnomedicinal Plant Choices. *Indian Journal of Traditional Knowledge (IJTK)*, 24(6), 555-565.
2. Thakur, T. K., Patel, D. K., Saini, S., Thakur, A., Swamy, S. L., Bakshi, S., ... & Kumar, R. (2025). A geospatial analysis of coal mine overburden reclamation: Land use, carbon stock, biomass, and soil genesis in chronosequence plantations. *Journal of Geochemical Exploration*, 271, 107674.
3. Thakur, T.K., Swamy, S.L., Thakur, A., Mishra, A., Bakshi, S., Kumar, A., Altaf, M. M. and Kumar, R. (2024). Land cover changes and carbon dynamics in Central India's dry tropical forests: A 25-year assessment and nature-based eco-restoration approaches, *Journal of Environmental Management*, Vol. 351. DOI: <https://doi.org/10.1016/j.jenvman.2023.119809>
4. Bakshi, S., & Mishra, S. K. (2023). Financial Autonomy and Gender Equality in Globalized World: A Study on Older Adult Population of India. *The Oriental Anthropologist*, 23(2), 261-282.  
DOI: <https://doi.org/10.1177/0972558X231204398>
5. Pathak, A. K., Arshad, M., Bakshi, S., Khetan, M., & Mangla, S. (2023). A New Alpha Power Transformed Weibull Distribution. *G Families of Probability Distributions: Theory and Practices*, 302.  
DOI: <https://doi.org/10.1201/9781003232193>

6. Kumar, A., Mishra, S., Bakshi, S., Upadhyay, P. and Thakur, T.K. (2023). Response of eutrophication and water quality drivers on greenhouse gas emissions in Lakes of China: A critical analysis. *Ecohydrology*, 16 (1), 1-10, DOI:<https://doi.org/10.1002/eco.2483>
7. Singh RR, Das RR, Kabirpanthi V, Singh AR, Bakshi S, Datta D, et al. (2023). Empty stomach together with menstrual bleeding as predictors of committed suicides among women of reproductive age: What a primary physician must know. *J Family Med Prim Care*, 12(7):p 1261-1267, DOI: [https://doi.org/10.4103/jfmpe.jfmpe\\_550\\_22](https://doi.org/10.4103/jfmpe.jfmpe_550_22)
8. Bakshi, S., Mishra, S.K. (2023). On measures of elder abuse: investigating the intensity and extent in seven states of India. *J. Soc. Econ. Dev.*  
DOI: <https://doi.org/10.1007/s40847-023-00272-x>
9. Kumar, Y., Thakur, A., Bakshi, S., Thakur, T.K. (2022). Soil Organic Carbon and Total Nitrogen Stocks Under Different Land Uses in Achanakmar-Amarkantak Biosphere Reserve, India. In: Kumar, P., Tomar, R.S., Bhat, J.A., Dobriyal, M., Rani, M. (eds) *Agro-biodiversity and Agri-ecosystem Management*. Springer, Singapore. DOI: [https://doi.org/10.1007/978-981-19-0928-3\\_8](https://doi.org/10.1007/978-981-19-0928-3_8)
10. Thakur, T. K., Eripogu, K. K., Thakur, A., Kumar, A., Bakshi, S., Swamy, S. L. & Kumar, M. (2022) Disentangling forest dynamics for litter biomass production in Central India: A sustainable management approach. *Frontiers in Environmental Science*, 10, pp. 1- 18.  
DOI: <https://doi.org/10.3389/fenvs.2022.940614>
11. MK Dwivedi, S Bakshi, S Sonter, S Mishra, PK Singh. (2022). Spatiotemporal distribution of malaria prevalence in the district Anuppur, central India. *International Journal of Community Medicine and Public Health*, 9 (4), 1788 -1797.  
DOI:<https://doi.org/10.18203/2394-6040.ijcmph20220855>
12. Bakshi, S. (2021). Determinants of self-reported health status: evidence from countrywide surveys of older adults in India. *IER Journal of Health and Demography*, 6(2), 1-14.
13. Thanvi, J., Bakshi, S., Mishra, S. K. & Pathak, P. (2021). The health of older adults in India: an empirical into the perspective of social determinants of health. *IER Journal of Health And Demography*, 6(2), 15-30.
14. Dwivedi, M. K., Bakshi, S., Shyam, B. S., Shukla, R., Singh, P. K. & Sharma, N. K. (2021). Prevalence and associated factors of malaria in Pushparajgarh block of district Anuppur, Madhya Pradesh, India. *International Journal of Community Medicine and Public Health*, 8(3), 1221-1229.  
DOI: <https://doi.org/10.18203/2394-6040.ijcmph20210804>
15. Bakshi, S., & Pathak, P. (2020). Living arrangements of older adults in India: Reduced forms for co-residence model. *Journal of the Maharaja Sayajirao University of Baroda*, 54(No.2 (XIII)), 16–32.
16. Bakshi, S., Pathak, P., & Priyadarshini, A. (2020). Are they free to make choices? Financial matters and autonomy among the older adults in India. *Sambodhi*, 43(04 (XI)), 74–86.
17. Goswami, M. P., Padhi, S. R., Bakshi, S., & Puthiyakath, H. H. (2020). Susceptibility of social media users to fake news (A representative study of the impact on Indian youth during COVID-19). *Humanities and Social Science Studies*, 9(2), 1–15.
18. Bakshi, S. and Pathak, P. (2016). *Aging and socioeconomic life of older adults in India: An empirical exposition*. SAGE Open, 6(1), 1-17.

DOI: <https://doi.org/10.1177/2158244015624130>

19. Bakshi, S. and Pathak, P. (2015). *Social context and the health status among the older adults in India*. In Tattwamasi Paltasingh and Renu Tyagi (Ed.). *Caring for the Elderly: Social Gerontology in the Indian Context*. SAGE, ISBN: 9789351502630.

20. Jain, V. K., and Bakshi, S. (2014). *Interrogating CGPA: In search of the missing links—suggested alternatives*. SAGE Open, DOI: <https://doi.org/10.1177/2158244014564350>

21. Bakshi, S. and Pathak, P. (2013). *State of Empowerment of the Elderly in India: A Statistical Exposition*. Dr. S. Siva Raju, Dr. Ulimiri V. Somayajulu and Dr. P. C. Prakasam (Ed.). *Ageing, Health and Development*. B. R. Publishing Corporation. ISBN: 9789350500910.

22. Bakshi, S., and Pathak, P. (2012). *An Analysis of the State of Empowerment of Females vis-à-vis Males at Old Ages in India*. In Manoranjan Pal, Prasanta Pathak, Premananda Bharati, Bholanath Ghosh and Amita Majumder (Indian Statistical Institute, India) (Ed.). *Gender Issues and Empowerment of Women*. NOVA Publishers, USA. ISBN: 978-1-62100-464-6.

23. Bakshi, S. and Pathak, P. (2011). *Who Works at Older Ages? The Correlates of Economic Activity and Temporal Changes in their Effects: Evidences from India*. K.N.S.Yadava and Alok Kumar (Ed.) *Ageing: some emerging issues (Profiles, Trends and Policy Perspectives)*. Manak Publications Pvt. Ltd., pp. 253-278. ISBN: 9788178312453.

24. Bakshi, S. and Pathak, P. (2010). *Health at old ages in India: a statistical exposition of its socio-cultural and gender dimensions*. In: Prakasam, C. P., K. E. Vaidyanathan, U. V. Somyajulu, N. Audinarayana (Ed.) *Health equity and human rights perspectives and issues*. Serials Publications, New Delhi (India), pp. 241-261. ISBN: 9788183873963.

25. Mishra, S., and Bakshi, S. (2010). *Gender and Adoption of Family Planning Methods: A Study of Indian Couples*. *The Oriental Anthropologist*, Vol. 10, No. 1, pp. 17-32. ISSN: 0972-558X.

DOI: <https://doi.org/10.1177/0972558X1001000102>

## Schools/Conferences/ Seminars/Workshops

### Organised

1. MPCOST sponsored **Workshop on Data Science with R** organised at the Department of Statistics, Indira Gandhi National Tribal University, Amarkantak from March 11 – 17, 2019.

2. **Workshop on Statistical Tools and their Significance in Research** organised at the Department of Statistics, Indira Gandhi National Tribal University, Amarkantak from April 18 – 27, 2018.

3. **Summer School - 2011 on Linear Algebra** organised at the School of Mathematics, Statistics and Computer Science, Central University of Bihar, Patna from 30 May to 11 June, 2011.

4. Short term training program on **Data Analysis using SPSS** at the School of Mathematics, Statistics and Computer Science, Central University of Bihar, Patna from April 20-24, 2011.

### **Attended as a Resource Person**

1. Five day Research Methodology Course organized by School of Studies in Sociology and Research Center, UTD, Maharaja Chhatrasal Bundelkhand University, Chhatarpur (Madhya Pradesh) from 17<sup>th</sup> to 21<sup>st</sup> of March, 2025.
2. Fifteen day Research Methodology Course organized by School of Studies in Sociology and Research Center, UTD, Maharaja Chhatrasal Bundelkhand University, Chhatarpur (Madhya Pradesh) from 11<sup>th</sup> to 28<sup>th</sup> of December, 2023.
3. One Day National Workshop “Data Analysis in SPSS in Social Sciences and Sciences”. Held on 30<sup>th</sup> May 2023. Dr. Ambedkar Chair, IGNTU, Amarkantak.
4. Training Programme on Biomedical Research Tools and Techniques sponsored by DST – STUTI, 6 - 12 February, 2023 at IGNTU Amarkantak.
5. Research Methodology Workshop (Special Sessions on "R"), July 17-23, 2021 organised by the Faculty of commerce, Banares Hindu University.
6. Instructional Workshop on R, SCILAB and GAP at the Department of Mathematics & Statistics, SHIATS, Allahabad, India from 7- 16 January, 2015.
7. Workshop on Statistical Computing organised at the School of Mathematics, Statistics and Computer Science, Central University of Bihar, Patna from 13 - 18 November, 2013.
8. TEQIP – II sponsored one week short term training program on Mathematical Statistics for Researchers, Engineers and Scientists (MSFRES) organised by Department of Applied Mathematics and Humanities, Sardar Vallabhbhai National Institute of technology, Surat, India during 2<sup>nd</sup> – 6<sup>th</sup> September, 2013.

### **HRDC Courses / FDP Programmes**

1. 2022: Two-Week Refresher Course in “**STATISTICS’ on the theme “Paradigms & Principles of Statistics.”** Conducted by the Teaching Learning Centre, Ramanujan College, Delhi. [22/06/2022 - 06/07/2022]
2. 2021: **Research Methodology.** Conducted by the Teaching Learning Centre, Ramanujan College, Delhi. [22/12/2021- 05/01/2022]
3. 2021: **Developing MOOCs: Tools and Techniques.** Conducted by the Teaching Learning Centre, Ramanujan College, Delhi. [16/12/2021-22/12/2021]
4. 2020: Faculty Development Programme on **Application of Digital Tools and Technology in Teaching and Learning**, by Indira Gandhi National Tribal University, Amarkantak (16 – 29 June, 2020)
5. 2020: **Five Days Online Faculty Development Program on Python** organized by Department of Statistics, DRBCCC Hindu College, Chennai, Tamil Nadu, in collaboration with Spoken-Tutorial Project, IIT Bombay, funded by National Mission of Education through ICT, MHRD, Govt. of India.
6. 2019: **Orientation Programme** by HRDC, Guru GhasidasVishwavidyalaya, Bilaspur from 08 – 28 July, 2019.

7. 2019: SWAYAM ARPIT Refresher Course on **Computational Mathematics and Statistics with Data integration and Analysis**. (29 / 05 / 2019)

## **Administrative Experience**

2024: (I/C), Department of Statistics, IGNTU, Amarkantak.  
2020 – 2021, Warden, Son Hostel, IGNTU, Amarkantak.  
2016 -17: Head (I/C), Department of Statistics, IGNTU, Amarkantak.  
2016 - 2019: Member, Board of Studies, IGNTU, Amarkantak.  
2016 - 2020: Officer on Special Duty to the Examination Section, IGNTU, Amarkantak.  
2016 - 2020: Member, Women Cell, IGNTU, Amarkantak.  
2010 -11: Head (I/C), Department of Statistics, Central University of Bihar, Patna, India.  
2010 -11: Coordinator, M. Sc. (Statistics) Programme, Central University of Bihar, Patna, India.  
2010-11: Member, Library Committee, Central University of Bihar, Patna, India.  
Since 2010-13: Member, Course Advisory Committee for M. Sc. (Statistics) Programme, Central University of Bihar, Patna, India.

## **Academic Qualifications and Professional Skills**

### **Ph.D. 2021**

IGNTU, Amarkantak.

### **Master of Science 1996 - 1998**

Kurukshetra University, Kurukshetra, India  
Statistics

### **Bachelor of Science 1992 – 1995**

MaharshiDayanand University, Rohtak, India  
Statistics, Physics, Mathematics

### **Intermediate 1990**

KendriyaVidyalaya No.1, Naval Base, Kochi, Kerala, India  
English, Mathematics, Physics, Chemistry, Biology

### **High School 1988**

KendriyaVidyalaya No.1, Naval Base, Kochi, Kerala, India  
English, Hindi, Mathematics, Science, Social Science

### **1997 Certificate Course in French**

Department of Modern European Languages, Kurukshetra University, Kurukshetra, India

## **CSIR NET/ Fellowships/ Awards**

1. **Senior Research Fellowship** in Demography of the Indian Statistical Institute, Kolkata, India 2006- 2009.
2. **Junior Research Fellowship** in Demography of the Indian Statistical Institute, Kolkata, India 2004- 2006.
3. **National Eligibility Test** (NET, Dec 2002) for Lectureship in Mathematical Sciences conducted by the Council of Scientific and Industrial Research (CSIR) and University Grants Commission, India.

### **Membership of Professional Bodies**

1. Life member, Indian Society for Probability Statistics, Tirupati, India
2. Member, International Union for the Scientific Study of Population, Paris.
3. Life member, Indian Association for Social Sciences and Health (A Chapter of the Asia Pacific Network (APNET)), India.
4. Life member, International Indian Statistical Association.
5. Life member, Asian Population Association.