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Date of Birth: 7 September, 1945

Academic Qualification: M.A. (1968), D.Phil. (1975)

Special Distinctions:

- **Senior Fellow, Indian Council for Social Science Research, New Delhi**
- **Emeritus Fellow, University Grants Commission**
- **Commonwealth Academic Staff Fellow, Cambridge University, U.K., (1988-89)**
- **Senior Fulbright Fellow, University of Pittsburgh, U.S.A., (1976-77)**

Teaching Experience and Specialization:

- An experience of nearly 41 years spanning across Graduate, Post- Graduate, Doctoral and Post-Doctoral programmes across the globe with contributions in International consultancy.
- Specialization in Rural and Urban Developmental Planning, Environment and Sustainable Development and Principles of Spatial Techniques.
- **Professor of Geography, University of Allahabad,(1997-2011)**
- **Professor of Geography, Himanchal Pradesh University, Shimla,(1992-1997)**
- Associate Professor in Geography, University of Allahabad, (1984-1992)
- Assistant Professor in Geography, University of Allahabad, (1969-1984)

Research Supervision:

- Supervised **27 Ph.D.** and **5 M.Phil.**, (5 Ph. D. supervised during last five years)

Other Distinctions:

- **President, Indian Institute of Geographers, 2017**
- **President, National Association of Geographers India (NAGI), (2014)**
- **Editor, Annals, National Association of Geographers, India**
- **Visiting Professor, Calcutta University, (1999)**
- **Member, Editorial Board, Progress in Human Geography-An International Journal of Geography Published in U.K., (1994-98).**
- **Chairman, Commission on Urban Ecology, National Association of Geographers of India, (1992-97)**
- **Chairman, Commission on Urban Development and Management, National Association of Geographers of India, (1988-2004)**
- Book Review Editor of Pariyojan - An International Journal of Planning and Policy Sciences, (1979-87)
- Founder Editor of Analytical Geography, Indian Geographers

Association, (1976)

- Fieldwork in USA, UK, Japan, China, Egypt, Bhutan, Sudan, Nigeria, Benin, Italy, Holland, Thailand, Argentina and Brazil etc.

Publications:

- **Books: 6**
- **Research Papers: 72** (12 in Foreign Journals and 60 in Indian Journals and Books)

Administrative Experience:

- Chief Proctor, University of Allahabad, (2005-07)
- Head, Department of Geography, University of Allahabad, Allahabad, (2005-08)
- Returning Officer, Student Union Election, University of Allahabad, Allahabad, (2006)
- Chairman, Department of Geography, Himachal Pradesh University, Shimla, (1992-97)
- Dean Student Welfare, University of Allahabad

Special Training Course in Remote Sensing and Research Methods:

- Research Methods Course in Social Science, School of Advanced Urban Studies, University of Bristol, 1988.
- Awarded Certificate for course on Remote Sensing Technology at the Purdue University, Indiana, U.S.A., 1977.
- All India Summer Schools in Geography, Aligarh Muslim University, Aligarh, India, 1977.
- All India Winter School in Geography, Aligarh Muslim University, Aligarh, India, 1971.

Membership of Professional Organizations:

- American Association of Geographers, U.S.A.
- National Association of Geographers, India.
- Institute of Indian Geographers, Pune (India).
- Sustainable Development Foundation, New Delhi (India).
- Indian Geographical Society, Madras (India).
- Punjab Geographers Association, Patiala.

Research Projects Completed:

1. *Urbanization and Regional Development in Eastern Uttar Pradesh*, Sponsored by University Grants Commission, New Delhi.
2. *Role of Small and Intermediate Towns in Regional Development Process*, Funded by ICSSR, New Delhi.
3. *Mathematical Model of Sustainable Development in a Backward Economy*, sponsored by Department of Science and Technology, New Delhi.
4. *Regional Disparities and Environmental Implications in Lower Himachal Pradesh*, Funded by the Planning Commission, Government of India.

5. *Environmental Monitoring and Management of Watersheds in Himachal Pradesh: A Case Study of Sir Khad*, Funded by the Ministry of Environment and Forestry, Government of India.
6. *Popular Settlements in Indian Cities: A Case Study of Allahabad City*, Sponsored by the IIED, London, financed by the Canadian International Development Agency, Dutch Government and UN Centre for Human Settlements (Habitat). 1986.
7. *Health and Habitat in Popular Settlements*, Sponsored by the IIED. London, financed by the Canadian International Development Agency, Dutch Government and UN Centre for human Settlements (Habitat), 1984.
8. *Human Settlements System in Bhutan*, Sponsored by the IIED, London, financed by the Canadian International Development Agency, 1983.
9. *Role of Small and Intermediate Towns in Regional Development Process*, Sponsored by IIED, London, 1982.
10. *Post Green Revolution Shifts in Income Distribution in an Indian Village*, in Collaboration with Prof. Philips Foster, University of Maryland, U.S.A., 1981.
11. *Rural Roots of Urban Poor: A Case Study of Informal Sector in an Indian City*, Sponsored by UNCRD, Nagoya, 1980.
12. *Spatial and Functional Organization of Service Centers in Allahabad city Region*, Funded by U.G.C., 1979.

Seminar, Conferences and Workshops Organized:

1. Convened the 30th Indian Geography congress, National Association of Geographers, India, 2008
2. Convened the 28th Congress of Institute of Indian Association of Geographers, 2007
3. Laid foundation of Uttar Pradesh Association of Geographers in 2006
4. All India Training Course of Research Methodology in Geography, May, 2005, Geography Department, University of Allahabad (Sponsored by ICSSR, New Delhi)
5. Seminar on Water Crisis: Problems and Prospects 10th June, 2005, Geography Department, University of Allahabad.
6. All India Training Course of Research Methodology in Geography from April 30th to May 15th 1996 in Himachal Pradesh University, Shimla, (Sponsored by ICSSR, New Delhi).
7. National Seminar on Development and Environment of Himalayan Region, May 9-10, 1994 (Sponsored by the ICSSR, Regional Centre, Chandigarh and Planning Commission, Government of India)
8. Fifth Indo-British Geographers Seminar on Environment and Development from 6th to 12th April, 1993 at L.B.S. National Academy of Public Administration Mussorie, (Dehradun), India (Sponsored by the British Council, Planning Commission and Ministry of Environment and Forest, Govt. of India, New Delhi).
9. National Symposium on Spatial Inequality and Regional Development in India, March 30-31, 1989, Geography Department, University of Allahabad (Sponsored by University Grants Commission, New Delhi)
10. International Seminar on Supranational Organization and Regional Imbalances on Behalf of the IGU Commission on International Division of Labour and Regional

Development at University of Zaragoza, Spain, August 29-31, 1987.

11. Development Potentials of Pratapgarh District on December 25, 1986 at District Headquarters of Pratapgarh in Collaboration with the District Administration, Pratapgarh, U.P.
12. Towards a New Education Policy on March 16, 1985 in the University of Allahabad in collaboration with the G.B. Pant Social Science Institute, Jhansi, Allahabad.
13. Health and Habitat in Popular Settlements held on October 14-15, 1984, Geography Department, University of Allahabad (Sponsored by the IIED, London),

Some Prominent Lectures Delivered/Papers Presented Abroad:

- *Tertiarization in Indian Cities*, Beijing University, China, 1990.
- *Technology Transfer and Change: The Case of UP*, Barcelona, Spain, 1986.
- *Small & Intermediate Towns and Their Role in Regional Development Process*, Rotterdam, Holland, 1984.
- *Towards Alternative Settlement Policy in India*, Tokyo, Japan, 1980.
- *Growth Centre Strategy for Development of Rural Landscapes in India*, University of Pittsburgh, USA, 1976.
- *Physical and Cultural Diversities in India*, Association of Gamma, Theta, Epsilon, USA, 1976.
- *Internal Structure of US and Indian Cities: A Comparative Analysis*, Indiana State University, Pennsylvania, USA, 1976.
- *Developmental Planning in a Functional Region*, Slippery Rock State College, P.A., USA, 1977.
- *Urban Systems of a Developing Economy*, South East Asian Association, USA, 1977.

Lectures Delivered in India

Refresher and Orientation courses being organized by Aligarh Muslim University, Sagar University. Punjab University, Punjabi University. Jabalpur University, Osmania University, S. V. University Tirupati, H. P. University, Indore University, Rajasthan University, Jaipur, J. N. Vyas University, Jodhpur, Gorakhpur University and Allahabad University.

Publications:

A. Books (Authored/Edited):

1. *Managing Natural Resources: Focus on Land and Water*, Prentice Hall, New Delhi, 2014.
2. *Explorations in Applied Geography*, Prentice Hall, New Delhi, 2008
3. *Urban Systems of a Developing Economy*, IIDR (Allahabad), 1984 and Heritage, New Delhi, 1988. Reviewed in National Geographical Journal of India, (Varanasi), Urban India, (New Delhi), Northern India Patrika (Allahabad), Annals, National Association of Geographers of India (New Delhi), Indian Geographical Journal (Madras), and also by John Whitelegg in Pariyojan (Allahabad).

4. *Research Methodology: Social, Spatial and Policy Dimensions*, Rawat, Jaipur, 1998
5. *Rural Geography*, Heritage, New Delhi, 1987.
6. *Bhutan: Problems and Policies*, Heritage. New Delhi, 1988. Reviewed by Prof. G. P. Chapman in *Geographical Journal* (U.K.), *Third World Quarterly* (U.K.) and *Habitat International* (U.K.).

B. International Publications:

1. Sustainable Development: Mathematical Approach and Simulation Studies, Differential Equations and Dynamical Systems, Vol. 22(3), 2014.
2. Housing and Environment of Indian Cities: A Case of Squatter Settlements in Allahabad, In Environment & Housing in Third World Cities, Wiley, Chichester (U.K),1994.
3. Pattern of Growth of India's Class I Cities, Geoforum (U.K.) Vol.22, 1991.
4. Housing and Health in three Squatter Settlements in Allahabad, India, Poor Die Young, Earthscan, London, 1990.
5. Popular Settlements in the City of Allahabad, Cities- the International Journal of Urban Policy (U.K.) Vol. 5 No.2, 1988.
6. Raebareli, Pratapgarh and Sultanpur Districts (U.P.), Northern India, In Small and Intermediate Urban Centres: Their Role in National and Regional Development in the Third World, Hodder and Stoughton. London. 1986.
7. Technology Transfer and Change: The Case of Three Districts in U.P., Commission on International Division of Labour and Regional Development, International Geographers Union:. Jaragoza, Spain, 1986.
8. Poverty, Economic Stagnation and Diseases in Uttar Pradesh, in *Habitat, Health and Development*, Lynne Rienner Publisher, Colorado .(US A), 1986.
9. Human Settlement System and Policy Implications for Regional Development in a Developing Economy, In Planning Perspective for Small Towns in Developing Countries, Asian Institute of Technology, Bangkok. 1984.
10. Rural Urban Relations in Sudan: A Case of Ghazira, Ekistics - An International Journal of Human Settlement (Greece). Vol. 300, 1983.
11. Rural roots of Urban poor: A Case Study of Informal Sector in an Indian City: In Rural Development: National Policies and Experiences. Maruzen Asia, Singapore, 1982.
12. Towards an Alternative Settlement Policy: The Case of India, UNCRD, Nagoya, 1980.

C. National Publications:

1. Spatial System of Cities in India, Annals, NAGI, Vol. 35, No. 2, 2015.
2. Research Frontiers of Indian Geography: Focus on Sustainability, Environment and Society, Annals NAGI, Vol. 34, No. 1, 2014.
3. Revisiting the Land use Model of Von Thunen, The Geographer, 2014.
4. Watershed Development Model for Bihar, Annals NAGI, Vol. 33, No. 2, 2013.
5. Urbanization in a Slow Growing Economy: A Case of Eastern Uttar Pradesh,

- Dikshit, S.K. (ed.), Population and Regional Development, Radha Publication, New Delhi, 2013.
6. Model of Density Distribution in Indian Cities, Journal of Indian Geoforum, Vol. 1, No. 2, 2012.
 7. Regional Planning in India, Geography in India, Pearsons, New Delhi 2009.
 8. Regional Geography, Geography in India, Pearsons, New Delhi 2009.
 9. Urbanization, Progress in Indian Geography, International Geographic Union, INSA, 2008.
 10. Indian Urban Geography, Progress in Indian Geography, International Geographic Union, INSA, 2004.
 11. Models in Geography: A Case of City Interaction in P.N. Pandey (edit), Amrit Kalash, IAPS, Allahabad, 2004.
 12. Food Productivity in India: A Spatio-Temporal Analysis, in Y.P. Abrol (edit), Landuse- Historical Perspectives: Focus on Indo-Gangetic Plain, Allied Publishers. 2002.
 13. Landuse/Cover change in Middle Ganga Valley, in Y.P. Abrol(edit),Landuse Historical Perspectives: Focus on Indo Gangatic Plains, Allied Publishers, 2002.
 14. Lucknow: a City of Physical Growth and Cultural Decay in Misra, R.P. et al (ed) Million Cities of India, Sustainable Development Foundation, New Delhi, 1998.
 15. Remote Sensing Technology and their applications, in Misra H.N. et al (ed), Research Methodology in Geography, Rawat publication, Jaipur, 1998.
 16. Development of Regional Planning as a Subfield of Geography in India, Annals of the National Association of Geographers of India, Vol. 17, No. 1&2. 1977.
 17. Environmental Effects of Urban Area: A Case Study of Shimla, Annals. National Association of Geographers of India, Vol. No. 1, 1993.
 18. Reflections on Indian Urban Geography, Trans. Institute of Indian Geographers. Vol. 12 No.2, 1980.
 19. Traditional and Contemporary Paradigms of Urban Geography, Annals, National Association of Geographers of India, Vol. 9. No. 1, 1989.
 20. Landuse Changes, Land Tenure Policies and their Impact on Food Production: A Case Study of Raebareli, Pratapgarh and Sultanpur Region, In M. Shafi and Abdul Aziz (Edited), Food Systems of the World, Rawat Publications, Jaipur, 1989.
 21. Dynamics of Population in Raebareli, Sultanpur and Pratapgarh Districts, The Geographer, Vol. 62, 1988.
 22. Role of Small and Intermediate Towns: A Conceptual Frame, Indian Geographical Journal. Vol. 62, 1987.
 23. Changing Social, Economic and Political Structure in a Backward Economy, Pariyojan. 1987.
 24. An Evolutionary Model of Service Centers in a Slow Growing Economy, In Misra, H. N. (ed) Rural Geography, Heritage, New Delhi, 1987.
 25. Habitat and Health in an Indian Village, In Misra, H.N. (edited) Rural Geography, Heritage, New Delhi, 1987.

26. Human Survival and Development: Focus on Land, Water and Minerals, Annals, National Association of Geographers, India, Vol. VI. No.2, 1986.
27. Socio Economic and Environmental Problems of Settlement Systems: A Case Study of Raebareli, Sultanpur and Pratapgarh Districts, University of Allahabad Studies, Vol. 18, No.3, 1986.
28. A Model of Economic Base and its Applications to the Towns of Uttar Pradesh. In P.D. Mahadev (ed.), Urban Geography, Heritage, New Delhi, 1986.
29. Changing Economic Resource Base and Settlement System, University of Allahabad Studies, Vol. 18, No.3, 1986.
30. Human Settlement Systems in Raebareli, Sultanpur and Pratapgarh Districts, University of Allahabad Studies. Vol. 18, No.3, 1986.
31. Ruralization of Indian Cities: A Study in Process of Penetration of Rural Functions in Urban Areas of Slow Growing Economies, Urban India. Vol 3 No. 3 1983, and also in K.V. Sundaram(ed.), Geography and Planning, Concept, New Delhi.
32. Informal Sector in Indian Cities: A Case Study of Rickshaw Pullers, Transaction of Institute of Indian Geographers. Vol.5, 1983.
33. Spatial System of Small and Intermediate Towns, The Geographer, Vol. 27 No. 2, 1982.
34. Simulating the Spatial Pattern of Class I Towns of U.P., Geographical Outlook. Ranchi, 1981.
35. Urban Centers in the Umlands of Allahabad, Indian Dissertation Abstracts. ICSSR, Vol. 9, No. 3 & 4, 1980.
36. Genesis of Towns in the Mid-Ganga Valley, Analytical Geography. Vol.2, 1980.
37. Suggestions for Scientific Writing, Analytical Geography. Vol. I, 1979.
38. Urban System Planning for Rural Development In India, Proceeding of Indo British Seminar. 1979.
39. Urban Amenities in Allahabad City Region, IIDR Occasional Publication Series. No. 1 Allahabad, 1978.
40. Empirical and Theoretical Umland: Allahabad-A Case Study, The Geographical Review of India. Vol. 89, 1977.
41. Hierarchy of Town in Umland of Allahabad, Deccan Geographer. Vol. 14, 1976.
42. The Size and Spacing of Town in the Umland of Allahabad, The Geographer. Vol. 22, 1975.
43. Newspaper for Delimiting the City Region (Allahabad: A Case Study), Studies In Humanities, Allahabad, Vol. 14. 1972-78.
44. Use of Models in Umland Delimitation, Deccan Geographer. Vol. 19, 1971.
45. Trend of Urbanization (Pratapgarh: A Case Study), Allahabad University Studies. 1971.
46. Nomenclature and Delimitation of Umland: An Appraisal, The Indian Geographical Journal. Vol. 46, 1971.
47. The Concept of Umland: A Review, National Geographer. Vol. 6, 1971.

48. Meghalaya: A Geographical Appraisal, The Allahabad University Magazine, Vol. 49, 1971.
49. A Report on Spatial Inequality and Regional Development in India, Annals, National Association of Geographer of India. Dec. 1981.
50. A Report on Development Potential of Pratapgarh District, Pariyojan. Vol. 7. No. 2, 1986.
51. A Report on International Seminar on Supranational Organization and Regional Imbalances, Pariyojan. Vol. 7. No. 2. 1986.
52. A Report on Local Seminar on Towards a New Education Policy, Pariyojan. Vol. 6. No. 1, 1985.
53. A Report on National Seminar on Health and Habitats, Pariyojan. Vol. 5, No.2, 1984.
54. A Report on the International Seminar on Health and Habitat, Pariyojan. Vol. 4, No. 2, 1983.
55. Review on Spatial Dimension of Unemployment and Under Employment: A Case Study of Rural Panjab, Review Projector. Vol. 8. 1988.
56. A Review on Regional Development of Brazil: The Frontier and its People, Pariyojan. Vol. 6, No.2, 1985.
57. Review on Shelter, Needs and Response, John Wiley & Sons, Pariyojan. Vol. 3, 1982.
58. Review on Casual Work and Poverty in Third World Cities, John Wiley & Sons, 1979, Pariyojan. Vol. 2. No. 1. 1982.
59. Review on Million Cities of India, New Delhi, 1978, Pariyojan. Vol I. No.2. 1980
60. Tertiariation of Indian Towns: A Case of the Process of Urban Growth In A Developing Region, Proceeding of The I.G.U. Commission of Urban Geography. China. 1980.

Technical Sessions Chaired in International Conferences and Seminars

1. Delivered valedictory Address in the International Conference on Landuse Changes & Water Resources, BHU, Varanasi Feb., 2004.
2. International Conference on Land Use Changes in Historical Perspectives, 24 Oct., 1999, New Delhi.
3. International Conference on Environment, Energy and Technology:
4. Regional and Global Perspectives organized by The Department of Geography. Banaras Hindu University, 11-15 Dec. 1997.
5. International Seminar on Sustainable Reconstruction of Highlands and Head Water Regions. 6-8 Oct. 1996, Delhi, India..
6. International Seminar on Commercial Activities and Environment, held in Pokhara, Nepal, 1993.
7. Indo-British Geographical Seminar on Environment and Development. Mussorie, April 6-12. 1992.
8. International Seminar on Geo-monitoring, held at Delhi, Dec,6-9, 1991
9. International Seminar on Regional Development in Third World, held at

- Varanasi. 12-15 Dec., 1991.
10. International Geographic Union's Regional Symposium on Asian and Pacific Countries, Held at the University of Beijing, August 12- 20, 1990.
 11. International Seminar on Role of Agriculture and Economic Development in Third World Countries held at Aligarh Muslim University on September 10, 1989.
 12. International Geographic Unions Regional Conference At Zaragoza University and University of Barcelona from August 29 to September 5, 1986.
 13. International Conference on Commercial Activities and Rural Development, Gorakhpur University, December 21 to 23, 1985.
 14. International Meet on Popular Settlements in Developing Countries, University of Lagos. Nigeria, March 12-17, 1984.
 15. International Seminar on Comparative Study of World Food Systems, Aligarh Muslim University, 1983
 16. International Conference on Health and Habitat held at University of North Carolina, USA, January 26-July 3, 1983.
 17. International Symposium on the Small Towns and National Development held at Asian Institute of Technology at Bangkok. Thailand, December 12-17, 1982.
 18. International Seminar on the Role of Small and Intermediate Towns, held in Amsterdam, Holland June 29- July 3, 1982.
 19. World Conference on Urbanization and Social Change in Arab World held in Lake Como City, Italy, May 10-14, 1982.
 20. IGU Commission on Regional Systems and Policies, Nagoya, Tokyo, Japan, 1980.
 21. Indo-British Seminar held at Department of Geography, Madras University, S. V. University, Tirupati and Mysore University, 1979, India.
 22. Regional Meeting of the Association of American Geographers, Michigan, University, USA, 1976.
