

Curriculum Vitae

I. Personal Details

(A) Profile and Address

Name of the Candidate : **Sanatan Nayak**

Date of Birth : 05-01-1968

Sex and Marital Status : Male and Married

Address for Communication : **Professor,**
Department of Economics,
School for Social Sciences,
B.B. Ambedkar University, Vidya Vihar,
Rae Bareli Road, Lucknow-226025, India
E-mail-sanatan5@yahoo.com;
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Permanent Address : AT-Goudabahali,
PO-Uchabali,
VIA- Kushaleswar,
District-Jajpur,
Orissa-758025, India

(B) Educational Qualification

Examination	Year	Board/University
10 th Class	1985	Board of Secondary Education, Orissa.
10+2 Class	1987	Council of Higher Secondary Education, Orissa
B.A. (Hons) Economics	1990	Ravenshaw College (Utkal University, Orissa)
M.A. (Economics)	1992	University of Hyderabad, Hyderabad
M. Phil. (Economics)	1995	University of Hyderabad, Hyderabad
Ph.D.(Economics)	2002	University of Hyderabad, Hyderabad
M.SC. (Ecology and Environment)	2007	Sikkim Manipal University of Health, Medical and Technological Sciences, Gangtok

Thesis/Dissertation

M.Phil. in Economics: Demand for Electricity in Industrial Sector in India.

Ph.D. in Economics: Irrigation and Economic Development: Cost Benefit Analysis of Sriramsagar Project in Andhra Pradesh, India.

(C) Teaching and Research Experience: 16 and Half Years

Teaching Areas : Advance Micro Economic Theories, Environmental Economics, Econometrics, Computer Applications in Economics to MA, M.Phil and Ph.D. Students.

Research Areas : Broad Areas are Environmental Economics, Agricultural Economics and Political Economy.
: Specific areas are Surface and Groundwater Irrigation, Land Degradation, Cost Benefit Analysis, Agrarian Relations, Drinking Water, Sanitation and Health, Climate Change and Agriculture.

Significant Contribution in the Field of Water Resources

: Integrating the Cost of Water-logging and Salinity (Loss of Production) in CBA of Sriramsagar Project in Andhra Pradesh, Land Degradation (due to Water-logging and Salinity) and Poverty in Uttar Pradesh, Inequality in Accessibility and Depletion of Groundwater, Drinking Water, Health Cost Measurement and Pricing of Damage Costs.

Significant Contribution in Large Scale Data Use

: Expert in handling Large Scale data such as 69th, 70th round of NSS. Expert in estimating Descriptive Statistics, Poverty line, Inequality, Multiple Regression, Logit, Panel and Factor analysis in large scale data of NSS.

Awards & Recognitions : *Dr. N.A. Muzumdar Award for best paper presentation* by Indian Society for Agricultural Economics, 2016.

Academic Tours to Abroad : Srilanka, Thailand.

(D) Fellowship Awarded

1. National Scholarship by Government of India for Higher Secondary and Degree Studies during 1985-90.
2. Merit-cum Means Scholarship by University of Hyderabad in M.A. during 1990-92.

3. JRF and SRF for five years sponsored by UGC (with NET) during 1996-2001 for Ph.D.

(E) Work Experience

1. Worked as Regular Research Scholar during M. Phil for two years and Five Years during Ph.D. at the Department of Economics, University of Hyderabad, India.
2. Worked as a Research Associate at State Finance Commission Cell, National Institute of Rural Development, Hyderabad during 2nd February 2001 to 9th April, 2002.
3. Worked as a Fellow at Giri Institute of Development Studies, Lucknow in the pay scale Rs.8, 000-275-13,500 since 18th April, 2002 till 17th April, 2006 (four years). Then got promoted to Fellow (Senior Grade) with the pay scale Rs. 10000-325-15200 and worked till 20th November, 2008.
4. Worked as Reader cum Associate Professor, Department of Economics, B.B. Ambedkar University, Lucknow in the pay scale Rs. 12,000-420-18300 since 21st November, 2008 to 20th November, 2011.
5. Worked as Associate Professor, Department of Economics, B.B. Ambedkar University, Lucknow with pay scale Rs.37, 000-67,000 since 21st November, 2011 to 20th November, 2014.
6. At present working as a Professor, Department of Economics, B.B. Ambedkar University, Lucknow with pay scale Rs.37,000-67,000 since 21st November, 2014 to till date.

II. Professional Development, Co-curricular and Extension Activities

(A) Contribution to corporate life and management of the department and institution through participation in academic and administrative work

(a) Administrative/Academic Responsibility

1. Worked as the Head, Dept. of Economics since August 17, 2009 to 16th August, 2012 and January, 2013 to January, 2016 for 6 years.
2. Chairman in DRC, BPGS, Admission Committee, IQAC for MA, M.Phil and Ph.D., Department of Economics, BBAU, Lucknow.
3. Member in School Board of SAS, BBAU.
4. Member in various committees such as Library, Examination, Annual Report, SC/ST/OBC Scholarship, Internal Complaint Committee (ICC), Equal Opportunity Cell at BBAU.

5. Member in Planning Board and Board of Management (BOM), BBAU.

(b) Conducting Training Programme/Seminar/Conference/ Special Lecture

1. Conducted one 10 days Training Programme on “Statistical Data Processing and Use of Unit Level Data of NSSO”, during 23rd April-2nd May, 2018 sponsored by ICSSR, New Delhi.
2. Conducted various special lectures by eminent scholars in economics field at department level during last 9 years.

(B) Professional Development activities (such as participation in seminars, conferences, short term training courses, industrial experience, talks, lectures committees and responsibilities).

1. Training Programme Participated: 6
2. Special Lecture delivered on different Themes: 14
3. Chair/Co-Chairman in Technical Session of Seminar/Conference:10
4. Key Note Address/ Chief Guest in Inauguration/Valedictory of Seminar/Conference/Training Programme: 5 times
5. Member/Chairman in Selection Committee/Government Professional Body/Institutions: 7 times
6. Ph.D. Thesis Evaluation of other University Scholars:12
7. Ph.D. Thesis Viva-Voce Conducted:3
8. M.Phil Dissertation Evaluation of other University Students: 4

(C) Other Academic Responsibility

(a) Membership in Professional Society

1. Life time member of the Indian Society for Ecological Economics (INSEE)
2. Life member of the Indian Society for Agricultural Economics (ISAE)
3. Life member of the Indian Economic Association (IEA)
4. Life member of the Indian Political Economic Association (IPEA)
5. Life member of the Association of Socio-Economic Development Studies (ASED)
6. Life Member of the Indian Society for Labour Economics (ISLE).
7. Life Member of the Indian Water Resources Society (IWRS).

(b) Member/Chairman in High level Committee of State/ Central Government

1. Member in the High Level committee for evaluation of the Land Acquisition Process under Purvanchal Express Highways, Government of Uttar Pradesh.

2. Member in the High Level committee for evaluation of the Land Acquisition Process under Lucknow Rail Metro Corporation, Lucknow, Government of Uttar Pradesh.

(c) **Computer Knowledge**

MS Office (MS Word, MS Excel, MS Power Point), STATA, SPSS, CPro, TSP, E-Views, Mini-Tab, Internet Explorer.

III. Publications, Projects and Other Academic Achievements

(A) **Publications**

(a) **Book (s)**

1. **Land Degradation in India: Problems, Institutions and Sustainability**, Abhijeet Publication, New Delhi, 2014.
2. **Development Challenges: Afflicting Uttar Pradesh**, (co-eds), Manak Publications, New Delhi, 2006.
3. **Irrigation and Economic Development**, Abhijeet Publication, New Delhi, 2005.

(b) **Research Papers in Reviewed Journals**

1. Livelihood Vulnerability in Rainfed Agriculture: A Study of Two Districts of Bundelkhand Region of Uttar Pradesh, India, along with Surendra Singh, **Regional Environmental Change**, Springer, Forthcoming Issue.
2. Micro Level Adaptation Strategies in Agriculture: A Case Study of Two Districts of Bundelkhand Region, India, along with Surendra Singh, **Journal of Rural Studies**, Elsevier, Forthcoming Issue.
3. Development of Sustainable Livelihood Security Index for Different Agro-Climatic Zones of Uttar Pradesh, India, along with Surendra Singh, **Journal of Rural Development**, 2018, Forthcoming Issue.
4. The Dynamics of Feminization in Indian Agriculture, along with Pragya Sharma, **Journal of Rural Development**, Forthcoming Issue.
5. Planned Adaptation Strategies and Climate Vulnerability: Evidences from NSSO Households level Data, along with Surendra Singh, **Research Review International Journal of Multidisciplinary**, Vol. 3, No.10, October, 2018.

6. Impact of River Pollution on Livelihood and Health: A Case Study of Washer Men Community Across River Gomti, Lucknow along with Soma Samant, **Man and Development**, Vol.XL, No.2, 2018.
7. Climate Variability and Agricultural Productivity in Uttar Pradesh, India: Evidence from Panel Data, along with Surender Singh, **Journal of Regional Development and Planning**, Vol. 7, No.2, 2017.
8. Drinking Water, Sanitation and Waterborne Diseases, along with Rashmi Tiwari, **Economic and Political Weekly**, June.10, Vol.LII, No. 23, 2017.
9. Climate Change and Indian Agriculture: Macro Perspectives, **South Asian Journal of Management Research**, Vol.8, No.2, 2016.
10. Environmental and Economic Sustainability of Land Reclamation: Insights from Sodic Land Reclamation Project, Uttar Pradesh, India, **Journal of Land and Rural Studies (JRS)**, Vol.3, No. 2, 2015, Sage, New Delhi.
11. Politics in Global Climate Change and Need of Alternative Economic Model, **South Asian Journal of Management Research**, Vol.6 No.2, 2014.
12. Pricing of Drinking Water in Uttar Pradesh, along with Rashmi Tiwari, **Review of Development and Change**, Vol.16, No.1, 2014.
13. Inclusive Growth and Participatory Approach: Extent, Implementation and Accumulations of Benefits, **Journal of Social and Economic Studies**, Vol. XXII, No.2, July- December, 2013.
14. Drinking Water and Sanitation in Uttar Pradesh: A Regional Analysis, along with Rashmi Tiwari, **Journal of Rural Development**, Vol. 32, No.1, January, March, 2013.
15. Distributional Inequity and Groundwater Depletion: An Analysis across Major States in India, '**Indian Journal of Agricultural Economics**', Vol.64, No.1, January-March, 2009.
16. Impact of Reform Process on Power Sector in Uttar Pradesh: Extent of Success and Failure, '**LMA Convention Journal**', Vol.4, No.1, 2008.
17. Environmental Degradation to Land Resources: The Creeping Disaster in Uttar Pradesh, **Review of Development and Change**, Vol. XI, No.1, Jan-June, 2006.
18. Agricultural Growth and Irrigation Development in Uttar Pradesh: The Linkages, Extent and Dimension of Success and Failure, **UPUERA Economic Journal**, Vol.1, No.1, pp-114-135, 2005.

19. Environmental Degradation to Land Resources: Regional analysis in Uttar Pradesh, **International Journal of Environment and Development (IJED)**, Vol.2, No.2, Pp.189-206, 2005.
20. Growth, Instability and Environmental Degradation in Andhra Pradesh Agriculture, **Journal of Rural Development**, Vol.24, No.2, 2005.
21. Demand for Electricity in Industrial Sector in India, **Asian Economic Review**, Vol.46, No.3, December, 2004.
22. Electricity Consumption and Industrial Growth in India: An Auto Regressive Analysis, **Productivity**, Vol.44, No.1, April-June, 2003.
23. Extent and Costs of Environmental Degradation in Sriramsagar Project Command Area: Integration with Cost Benefit Analysis, **Artha Vijnan**, Vol. XLIV, No.3-4, September-December, 2002.
24. Geographical Information System (GIS) application in Environmental Impact Assessment in India, **Third Concept**, Vol.16, No.190, December, 2002.
25. Trends of Agricultural Production and Fertilizer Consumption in Andhra Pradesh: A Post-Green Revolution Assessment, along with Sujit Mishra, **Agricultural Situation in India**, December, 2002.

(c) **Research Paper in Seminar/Conference Proceedings**

1. **Inequality in Drinking Water and Sanitation: Analysis in Urban Uttar Pradesh**, 21st **Annual Conference of IPEA Conference Proceedings**, Department of Humanities and Social Sciences, IIT, Delhi, 2017.
2. Impact of River Pollution on Livelihood and Health: A case Study of Washermen Community Across Gomti River, Lucknow, Seminar Proceedings of **“Healthy Rivers Ecosystem Benefits and Prosperity”**, along with Soma Samant, Organized by Indian Water Resources Society, Lucknow Centre, Lucknow, September, 2016.
3. Land Degradation and Agricultural Crisis: Evidence from Some Sodic Reclaimed Villages in Uttar Pradesh, **Seminar Proceedings of Agrarian Crisis in India: the Way Out**, organized NIRD, Hyderabad, November, 2012.
4. Environmental Degradation to Land Resources: Trend and Instability, **16th Annual Conference of IPEA Conference Proceedings**, Department of Humanities and Social Sciences, IIT, Roorkee, 2012.
5. Sustainable Rural Livelihood and Sodic Land: Evidence from some Villages in Uttar Pradesh, **15th Annual Conference of IPEA Conference Proceedings**, Department of Economics, Chaudhary Devi Lal University, Sirsa, Haryana, 2011.

6. Agricultural Deceleration in Uttar Pradesh: An Ecological, Institutional and Technological Investigation, **92nd IEA Annual Conference Proceedings, Vol-II**, School of Management, KIIT University, Bhubaneswar, Orissa, 2009.
7. Are Groundwater Irrigation Common Pool Resources? District Level Analysis in Uttar Pradesh, **Conference Volume**, 2nd Annual Conference of Uttar Pradesh-Uttaranchal Economic Association, at Giri Institute of Development Studies, Lucknow, 28-29 Oct., 2006.
8. Intensity of Land Degradation in Uttar Pradesh: District Level Analysis, **Souvenir**, State Land Use Board, Planning Department, Government of Uttar Pradesh, 2005.

(d) Chapter in Editorial Books

1. The Potential Effect of Climate Change on Crops Productivity in Rural Uttar Pradesh: Evidence from Panel data, in Paul, Sheeladitya and Subikash Chowdhury (eds.), **Issues in Rural Livelihood**, Progressive Publishers, Kolkata, 2018.
2. Welfare Economy and Land Acquisition: Theoretical Underpinnings, in Mishra Sujit Kumar and R. Siva Prasad (eds.), **Displacement, Impoverishment and Exclusion**, Aakar Publications, New Delhi, 2018.
3. From Agrarian Relations to Capability Approach: Amartya K.Sen, in R.C. Sobti, Kamal Jaiswal et al., (eds.), **The Indian Global Thinkers: Ideas, Thoughts and Contributions**, Babasaheb Bhimrao Abedkar University, 2017, Lucknow.
4. Impact of Climate Change on Agriculture: Approaches, Extent and Dimensions, in Kumar Surinder and C.S. Verma, (eds.), **State and Capitalist Development in India: A Political Economy Perspective**, Aakar Publications, New Delhi, 2016.
5. Participatory Approach in Management of Natural Resources: A Reflection of Global Practices at Empirical Level, in Verma, Manish Kumar (ed.), **Globalization and Environment: Discourse, Policies and Practices**, Rawat Publications, Jaipur, 2015.
6. Sodic Reclamation and Economic Sustainability, in Amarendra Das and P. Mishra (eds.), **Environment, Natural Resources and the Indian Economy**, New Century Publications, New Delhi, 2014.
7. Mining and Displacement in Odisha: Some Evidences, in Mishra, Padmja and A. Das (eds.), **Mining: Economic, Environmental and Social Implications**, Abhijeet Publications, New Delhi, 2013.
8. Agricultural Deceleration in Uttar Pradesh: An Ecological, Institutional and Technological Investigation, Thakur, A.K. and M.K. Sinha (eds), in **Structural Reforms and Agriculture**, DEEP and DEEP Publications Pvt. LTD., New Delhi, 2011.

9. Vicious Circle: Uttar Pradesh, in Ray Shoben (ed), **Backwaters of Development: Six Deprived States in India**, Oxford University Press, New Delhi, 2010.
10. Depletion and Inequity in Accessibility of Groundwater in Uttar Pradesh, in Karunyakara, L; L.C. Mallaiah and K.B. Ratna Kumari (eds.), **Dalits and Human Development**, Abhijeet Publications, New Delhi, 2008.
11. Financial Performance of State Electricity Boards (SEBs): Impact on State Finances, in Singh, A.K. (ed.), **Twelfth Finance Commission Recommendations and Their Implications for the State Finances**, APH Publishing Corporation, New Delhi, 2008.
12. Environmental Degradation to Land Resources: Regional Analysis in Uttar Pradesh, in Jugle, V.B. and Y.V. Jugle (eds.), **The State of Indian Economy: Environment, Ecology and Resources**, Vol. IV, Serial Publications, New Delhi, 2006.
13. Determinants of Wages and Employment of Agricultural Labourers in Uttar Pradesh, in Diwakar, D.M. and G.P. Mishra (eds.), **Deprivation and Inclusive Development**, Manak Publications, New Delhi, 2006.
14. Rural Poverty in Uttar Pradesh: An Analysis of Employment and Wage Rates of Agricultural Labourers, in Kalpagam, U., Nisha Srivastava, D. M. Diwakar (eds.), **Labour and Poverty**, Segment Books, Delhi, 2004.

(e) Working Paper

1. Inequity in Distribution of Water Resources: A study on Groundwater Irrigation across States in India, **Working Paper, GIDS**, No.194, 2008.
2. Economic Growth and Human Development Linkages in Uttar Pradesh, **Working Paper, GIDS**, No.190. This is a joint working along with A.K. Singh and Mohd. Muzammil, 2005.
3. Growth, Instability and Environmental Degradation in Andhra Pradesh Agriculture, **Working Paper, GIDS**, No. 186, 2003.

(f) Book Review

1. The book entitled “**Scarcity, Entitlements and the Economics of Water in Developing Countries**”, by P.B. Anand, Edward Elgar, UK, 2007 has been reviewed and published in the Indian Journal of Human Development, Vol.2, No. 2, July-December, 2008.
2. The book entitled “**Managing Water Resources: Policies, Institutions and Technologies**”, in V. Ratna Reddy and S. Mahendra Dev (eds.), Oxford University

Press, New Delhi, 2006 has reviewed and published in the Indian Journal of Labour Economics, No. 3, Vol.49, July-September, 2006.

(B) Projects Completed/Under Progress

1. Project entitled “Pricing and Health Cost Measurement in Urban Drinking Water: A Study of Slum and Non Slum Areas in Lucknow, Uttar Pradesh”, sponsored by Indian Council of Social Science Research, New Delhi is under Progress.
2. Project entitled “Base Line Survey in the Minority Concentrated Districts in UP: A Case of Shrawasti District”, sponsored by Ministry of Minority Affairs, Government of India was completed in 2009.
3. Project entitled “Socio-Economic Impact Assessment of Some Sodic affected Villages in Uttar Pradesh”, sponsored by Indian Council of Social Science Research, New Delhi was completed in 2009.
4. Project entitled “The Impact and Effectiveness of Training and Capacity Building undertaken under The UP Sodic Land Reclamation Project-II”, along with Prof. A. K. Singh and Dr. G. S. Mehta, and sponsored by Uttar Pradesh Bhumi Sudhar Nigam, Govt. of UP, Lucknow was completed in 2007.
5. Project entitled “Evaluation of Integrated Wasteland Development Programme, Hamirpur III”, sponsored by Department of Land Development and Water Resources, Ministry of Rural Development, New Delhi was completed in 2006.
6. Project entitled “Growth and Human Development Linkages: A study of ‘BOMARU’ States”, along with Prof. A.K. Singh and Prof. M. Muzammil, and sponsored by Indira Gandhi Institute of Development Research, Mumbai was completed in 2005.
7. Project entitled “Mid-Term Evaluation of Tenth Five Year Plan in Uttar Pradesh”, along with Prof. D.M. Diwakar and sponsored by State Planning Department, Government of Uttar Pradesh, Lucknow was completed in 2005.
8. Project entitled “Rural Poverty in Uttar Pradesh: Trend of Wage Rates and Employment of Agricultural Labourers”, sponsored by Giri Institute of Development Studies, Lucknow was completed in 2004.
9. Project entitled “Economic Evaluation of Uttar Pradesh Diversified Agriculture Support Project”, along with Prof. A.K. Singh and Prof. Yashvir Singh, and sponsored by UPDASP, Govt. of U.P., Lucknow was completed in 2004.

(C) Guiding PDF/Ph.D./ M.Phil Students at BBAU

(a) PDF Students

Continuing

1. PDF topic entitled “Inequities and Health Costs Measurement in Urban Drinking water and Sanitation: A Case Study of Lucknow City”, by Rashmi Tiwari pursuing since July, 2017.

(b) Ph.D Students

Awarded

1. Ph. D topic entitled “An Economic Analysis of Climate Change Effects on Agriculture Productivity: A Case Study on Climate Vulnerability of Farmers in Bundelkhand Region of Uttar Pradesh”, by Surendra Singh, was awarded in September, 2018.
2. Ph. D topic entitled “Gender Inequality in Agriculture Sector in Uttar Pradesh”, by Sivani Tiwari, was awarded in 2016.
3. Ph. D topic entitled “An Economic Analysis of Environmental Externalities: A Study on Jajmau Leather Industrial Area of Kanpur, Uttar Pradesh”, by Sivani Singh, was awarded in 2016.
4. Ph.D. topic entitled “Water Sector in UP: An Economic Analysis of Drinking Water and Sanitation” by Rashmi Tiwari was awarded in 2014.

Continuing

1. Ph. D topic entitled “Indoor Air Pollution: A comparative study of Marginalised section in Bihar and Uttar Pradesh”, by Ravindra Shah pursuing since August, 2014.
2. Ph. D topic entitled “Groundwater Sustainability: A Common Pool Resources Approach Towards its Management”, by Pragya Sharma Since August, 2015.
3. Ph. D topic entitled “Linkages between Trade and Scarcity of Water: A Case Study of Water Intensive Industry in Uttar Pradesh” by Priti Jha pursuing since August, 2015.
4. Ph. D topic entitled “Displacement and Resettlement due to Development of Real Estate Industry: A Case Study of Lucknow District” by Alka Singh since August, 2015.
5. Ph. D topic entitled “Economics of Waste Managemnet in Lucknow” by Anubha Tiwari since August, 2016.

(c) M.Phil Students

Awarded

1. M.Phil topic entitled “Environmental Impacts of Industrialization: A Case Study Alloy Industry in Balasore Districts” by Subrata Kumar Mallick submitted in February, 2017.
2. M.Phil topic entitled “River Degradation and its Impact on Livelihood and Health: A Case Study of River Gomti, Lucknow” by Soma Samant has submitted in December, 2015.

(D) Papers Presented in Conference/Seminar/Workshop

- (a) Conference (National and International): 22
- (b) Seminar (National and International Level): 27
- (c) Workshop (National and International Level): 6