

Dr. Nirmal Chandra Sahu
M.A., Ph.D. (Economics)

Professor
P.G. Department of Economics
Specialisation : Environmental and Ecological Economics,
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DETAILED FACULTY PROFILE:

- 1. Name with Address** : **Dr. Nirmal Chandra Sahu**
Professor
P.G. Department of Economics
Berhampur University
Bhanja Bihar , 760 007, Odisha , India
E mail: nirmalcsahu@yahoo.com
Phone: 09437413231
- 2. Areas of Interest/
Specialisation** : **Research: Environmental and Ecological
Economics**
**Teaching: Environmental Economics,
International Trade and Finance,
Macroeconomic Analysis**
- 3. Qualifications** : M.A., Ph.D. (Economics, BU)
- 4. Professional Experience** : ❖ UGC Research Fellow, BU: June 1976 to July 1980
❖ Small Industries Promotion Officer (Economic Investigation and Statistics), Government of India: July 1980 to November 1981
❖ Economic Officer, Punjab National Bank: November 1981 to October 1982
❖ Teaching at Berhampur University since 1982 as
 - Lecturer: November 1982 to November 1987
 - Lecturer (Senior Scale): November 1987 to June 1993
 - Reader: June 1993 to June 2001
 - Professor: From 18 June 2001

- 5. Administrative Experience**
- : ❖ Director, Distance Education Centre (DEC): Since June 2014
 - ❖ Additional Director, DEC: 2009 - 12
 - ❖ Coordinator of the Department: 2005-09
 - ❖ Head of the Department: 2004-05 & 1994-96
 - ❖ Superintendent, University PG Gents and Ladies Hostels: 2002-04, 1998-2000 & 1994-96
 - ❖ Asst Superintendent, PG Gents Hostel: 1990-92
 - ❖ Officer on Special Duty, DEC: 1998-2000
 - ❖ Nodal Person, World Bank Library Support for Environmental Economics: Several years during 1998-2004.
- 6. Other Responsibilities Handled at Berhampur University**
- : ❖ Chairman, Board of Studies in Economics: Several years since 2005 and continuing now from 2012
 - ❖ Chairman, Board of Studies in Tribal Studies: Several years during 2002-12
 - ❖ Member, Board of Studies in Public Administration, Rural Development / Rural Management, Social Work and Tribal Studies (now)
 - ❖ Member, Doctoral Research Degree Committee (DRDC)
 - ❖ Member, Admission Committee and Election Committee of the P. G. Departments: Several years
- 7. National level Assignment**
- : ❖ Member, Academic Council, Gokhale Institute of Politics and Economics, Pune: Since 2013
 - ❖ Member, Advisory Committee, Agro-Economic Research Centre, Andhra University: 2005-09
 - ❖ Member, Board of Governors, COATS, Koraput (Continuing since 1997)
 - ❖ Member, Advisory Committee of the DRS (SAP) Programme, Department of Economics, Dibrugarh University, Dibrugarh, Assam (UGC Nominee): 2005-2009
 - ❖ Member, Autonomous College Mid-term Review Committee, Andhra University: 2005-06
 - ❖ Member, Board of Studies in Economics (PG), Andhra University: 2006-09
 - ❖ Member, Board of Studies in Economics, Khallikote Autonomous College, Berhampur: Several years
 - ❖ Member, Board of Studies for Five-Year Integrated M.A. Economics Course, Adikavi Nannaya University, Jayakrishnapuram, Rajahmundry, Andhra Pradesh: 2006-07
 - ❖ Honorary consultant, Research Project of South

Asian Network for Development of Environmental Economics (SANDEE), IUCN – Nepal, Kathamandu: 2004-06

❖ Honorary consultant, Ecological Economic Unit, Tropical Botanic Garden and Research Centre, Thiruvananthapuram: 1997-99

8 Contribution in the area of Economics

❖ Contributed to development of Ecological and Environmental Economics as a subject for teaching and research in India through research activities and national and international publications, participation in academic programmes and Refresher Courses as Resource Person, and as a founder member of Indian Society for Ecological Economics (INSEE)

9. D. Litt. Scholars Produced, Scholars Name with Topic: 01

Sl. No	Name of the scholar	Name of the University	Title
01.	Dr. Jyotirmaya Satapathy	Berhampur University	Empirical Inquiry into the Nature and Behavioural-Economic Causes of Absenteeism in Indian Army (A Study from 1999 – 2010), 2012.

10. Ph. D. Scholars Produced, Scholars Name with Topic:

❖ Number of Ph.D. Scholars Produced: 11

Sl. No	Name of the scholar	Name of the University	Title
01.	Dr. Mrs. Namita Pradhan	Berhampur University	Sustainability of fisheries in the Bay of Bengal: An Econometric Analysis, 2011
02.	Dr. Niranjana Acharya	Berhampur University	Economic value of Bhitarkanika National Park, Orissa, 2007.
03.	Dr. Lakshmi Prasad Panda	Berhampur University	Socio-economic vulnerability to the impacts of forest depletion in Ganjam district of Orissa, 2006.
04.	Dr. Pradipta Kumar Mishra	Berhampur University	Ecological economics of Balimela dam in Orissa in Malkangiri District of Orissa, 2004.
05.	Dr. Mrs. Basanti Nayak	Berhampur University	Dimensions of economic valuation of the Indian forest ecosystems, 2003.

06.	Dr. Chandra Dhvaj Panda	Berhampur University	Ecological economics of shifting cultivation, 2003
07.	Dr. Ms. Alleamma Issac	Berhampur University	The economy of the marine fisherwomen in Ganjam District in Orissa: Control of resources and sustainable development, 2003.
08.	Dr. Mrutyunjaya Mishra	Berhampur University	Economics of industrial pollution in the Angul-Talcher industrial area in Orissa, 1999.
09.	Dr. Bibhudatta Nayak	Berhampur University	Economic-ecologic (e)valuation of forests of Paralakhemundi Division in Orissa, 1999.
10.	Dr. Birendra Narayan Meher	Berhampur University	Growth of Titlagarh township: An economic analysis, 1998 (Co-guide: B. N. Das).
11.	Dr. Hemant Kumar Satapathy	Berhampur University	Ecological and economic aspects of cashew plantation in Orissa, 1993 (Co-guide: M. K. Misra of Department of Botany).

11. ❖ Number of Scholar Pursing D. Litt. and Ph.D.: 10

Sl. No.	Name of the scholar	Name of the University	Title
	D. Litt.		
01.	Mr. Jogasankar Mahaprasastha	Berhampur University	Environmental Economics of the Drainage System in Cuttack City, Orissa, India
	Ph. D.		
02.	Mr. Ramakrushna Sahu	Berhampur University	Socio-Economic Assessment of Construction Workers in Odisha: A Case Study of Bhubaneswar City
03.	Mr. Ganeswar Majhi	Berhampur University	Sustainable Livelihood and Rural Poverty Management under Climate Change: A Study in Ganjam District in Orissa
04.	Mr. Jogindra Sethy	Berhampur University	Economic Impact of Rural Infrastructure Development Fund (RIDF) Projects in Ganjam District of Orissa
05.	Mr. Rajendra Prasad Padhy	Berhampur University	Economics of Health of Migrants of Ganjam District in Orissa in the Context of HIV Incidence
06.	Mr. Santosh Kumar Bali	Berhampur University	Economics of Biodiversity of Mahendragiri Region in Orissa, India
07.	Mr. Raghunath Satapathy	Berhampur University	Economics of Soil Conservation in Koraput and Malkangiri Districts of Orissa, India
08.	Mrs. Purnima Panigrahy	Berhampur University	Economic Analysis of the Effect of Industrial Pollution on Health of People of Rourkela Region

09.	Mrs. Madhusmita Dash	Berhampur University	Returns on Private Investment in Professional Education in India
10.	Mrs. Biswajita Padhy	Berhampur University	Natural Resource Management in the Socio-Economy of Tribes in Koraput District of Orissa

12. M.Phil. Scholars Produced (Number): 45

13. Research Projects Completed

- : 10. *Prospective analysis of revenue from the forests of Orissa*, Centre for Youth and Social Development (CYSD), Bhubaneswar, 2007.
09. *Indirect Use Value of Watershed Forests in India: A Production Function Approach*, University of York, UK, 2001 (Supervisor: Prof. Charles Perrings).
08. *Value of forests in the developing world*, Environment Department, University of York, UK, 1998; Project of ICSSR, New Delhi; 998.
07. *Tribal Indebtedness in Koraput District, Orissa*, Major Research Project, U.G.C., New Delhi, 1993 (Principal Investigator: R. P. Sarma and Associate Investigator: N. C. Sahu).
06. *Impact Study of I.R.D. and E.R.R.P. Programmes, Phulbani*, B. Das, N. B. Pradhan and N. C. Sahu, Major Research Project, Government of Orissa, Bhubaneswar, 1987.
05. *Evaluation Study of I.R.D.P. Beneficiaries in Alwar District, Rajasthan*, N. C. Sahu, Punjab National Bank, Zonal Office, Jaipur, 1982.
04. *Chatrapur - As a growth centre*, N. C. Sahu & R. C. Dey, Small Industries Service Institute (SISI), Government of India, Cuttack, 1981.
03. *Talcher - As a growth centre*, K. B. Doss & N. C. Sahu, SISI, Cuttack, 1981.
02. *Ice plants and freezing plants in the coastal districts of Orissa - An in-depth study*, N. P. Mohanty, R. N. Kar & N. C. Sahu, SISI, Cuttack, 1981.
01. *Economic Evaluation of Drought Prone Area Programme Agencies in the Districts of Phulbani and Kalahandi, Orissa*, B. Das, P. Panda, R. P. Sarma, N. B. Pradhan and N. C. Sahu, 1978, Major Research Project, Government of Orissa.

14. Orientation/Refreshers Courses/Short-term Courses Attended:

5. UGC Sponsored Computer Training Programme, Department of Computer Science, Berhampur University, June 30 – July 12, 1997
4. Training in the *Preparation of District Credit Plans and Annual Action Plans Under the Lead Bank Scheme*, Organised by Dena Bank at the Staff Training College, Bank of Baroda, Ahmedabad, April 12 – 17, 1982 (from Punjab National Bank).
3. Course on *Basic Research Methodology*, National Institute of Community Development, Hyderabad, June 20 to 08, 1977.
2. All India UGC. Summer Institute in *Quantitative Methods in Economics for Collage Teachers*, Delhi School of economics, University of Delhi, May 10 to June 09, 1977.
1. U.G.C. Sponsored Workshop on *Statistical Methods in Economics*, Department of Economics, Berhampur University, Bhanja Bihar, January 11 to 24, 1977.

Publications (Books/ Book Chapter/ Journals):

15. Books:

3. *Dimensions of Environmental and Ecological Economics*, N. C. Sahu and A. K. Choudhury (Ed.), University Press (India) Limited, (Distributed by Orient Longman Pvt. Ltd.), Hyderabad, March 2005, 604p. This edited text-cum-reference book contains thirty-five chapters contributed by experts from India and several foreign countries including five individual and joint papers.
2. *The Environmental Divide: The Dilemma of Developing Countries*. R. C. Das, J. K. Baral, N. C. Sahu & M. K. Misra, Ashish Publishing House, New Delhi, 1998, 261p.
1. *Economics of Forest Resources: Problems and Policies in a Regional Economy*. N. C. Sahu, B. R. Publishing Corporation, Delhi, 1986, 360p.

16. Book Chapter:

47. M. Mishra and N. C. Sahu, Industrial Pollution as Threat to Human Health: A Case Study In H. S. Rout (Edited), *The Social Sector in India: Issues and Challenges*, Cambridge Scholars Publishing, UK, 2014 (in press)
46. P. C. Mishra and N. C. Sahu, Managing Knowledge for Organizational Development, In S. Kar, M. A. Roberts and E. Ali (Edited), *Human Development in the New Millennium*, Regal Publications, New Delhi, 2013, PP. 88 – 100.
45. N. C. Sahu, Approach to Development of Forest and Environment during the Twelfth Five Year Plan in Odisha, In B. Mohanty, B. Patro and N. Panigrahi (Ed.), *Identifying Suitable Strategies for Development Sectors in Twelfth Five Year Plan, Odisha*, by Odisha Budget and Accountability Center (OBAC), Centre for Youth & Social Dev. (CYSD), Bhubaneswar, 2012, PP. 90 – 101

44. P. C. Mishra and N. C. Sahu, Corporate sustainability: Some Indian case studies, In B. Ghosh and R. L. Basu (Ed.), *Management Scenario Pertaining to Sustainable Development*, Uranus Green Publications, Kolkata, Accepted on 07 March 2012 (Co-author:)
43. P. C. Mishra and N. C. Sahu, Tourism as an Engine of Sustainable Development in Orissa, In K. Roy and S. Kar (Ed.), *Development Management in the Twenty First Century*, Nova Science Publishers, New York, Copyright transferred on 22 July 2011.
42. N. C. Sahu, C. D. Panda & L. P. Panda, Biodiversity and sustainable development in an Indian tribal village ecosystem, In R. K. Sen (Ed.), *Environment and Sustainable Development*, Deep & Deep Publications, New Delhi, 2011, PP. 186 – 199.
41. N. C. Sahu, Human development and environmental quality: Issues of harmony and conflict, In H. S. Rout and S. B. Murthy (Ed.), *Human Development in India: Challenges and Policies*, New Century Publications, New Delhi, 2010, PP.290 – 304
40. P. Sahu and N. C. Sahu, Keora: A Unique Bio-resource of Coastal Region of Ganjam District in Orissa, In A. K. Thakur and D. Rawat (Ed.), *Economic Geography and Development*, Deep & Deep Publications, New Delhi, 2011, PP. 346 – 359.
39. N. C. Sahu and M. Mishra Environmental Economics: A Challenging Area of Research and Teaching, In A. K. Thakur and S. S. Somra (Ed.), *Teaching and Research in Economics*, Deep & Deep Publications, New Delhi, 2011, PP. 26 – 36.
38. N. C. Sahu, ‘Sustainable Development of Bonda Hills in Orissa: Analysis of Indicators’, In P.M. Mohapatra, K. K. Mohanti & P. C. Mohapatro (Eds.), *Sustainable Development in Bonda Hills*, COATS, Koraput, 2009, PP. 97-111.
37. C. S. Bahinipati and N. C. Sahu, ‘Trade liberalisation and economic growth: An analysis of Indian Economy since 1970’ In R. K. Mishra and N. Sethi (Eds.), *Rethinking India’s Growth Strategy: Services Vs. Manufacturing*, Institute of Public Enterprise, Hyderabad, 2008, Vol. I, PP. 581-592.
36. M. Mishra and N. C. Sahu, ‘Air pollution and health of women: A case Study’, In H. S. Rout and P. K. Panda (Eds.), *Gender Bias in Health and Education: Indian Experience*, New Century Publication, New Delhi, 2008, PP. 168-178.
35. C. D. Panda and N. C. Sahu, ‘Shifting cultivation and the tribals’, In G. Mohanty, H. C. Das, A. K. Pattanayak and H. Satapathy (Ed), *Cultural Heritage of Orissa, Vol. IX: Rayagada District*, State Level Vysakabi Fakir Mohan Smruti Sansad, Bhubaneswar, 2007, PP. 378-390.
34. N. C. Sahu and S. K. Bali, ‘Health-development interface in the Context of Malaria in Orissa’, In H. S. Rout and P. K. Panda (Eds.), *Health Economics in India*, New Century Publications, New Delhi, 2007, PP. 141-150.
33. N. C. Sahu and M. Mishra, ‘Health cost of pollution in Angul-Talcher Area in Orissa’, *Impact of Industrialization on Environmental Pollution—Its Control and Abatement*, Gandhi Institute of Engineering and Technology (GIET), Gunupur, October 2006, PP.60-70.
32. A. K. Choudhury, N. C. Sahu and C. Perrings, ‘Sustainable management of Chilika prawn fisheries’, In N. Sengupta and J. Bandyopadhyay (Eds.), *Biodiversity and Quality of Life*, Macmillan India Ltd., New Delhi, 2005, PP.253 – 271.

31. N. C. Sahu, 'Role of people's participation and movements for sustainable development: Some case studies from Orissa', In K. P. Reddy, A. G. Moss and K. M. Reddy (Eds.), *Sustainable Development in India*, Department of Economics, Osmania University, Hyderabad, 2005, pp.218-228.
30. N. C. Sahu, 'Intergenerational equity and neoclassical growth theory', *88th Conference Volume of the Indian Economic Association*, School of Economics, Andhra University, Visakhapatnam, December 2005, PP. 559-564 (Full paper).
29. N. C. Sahu 'Does river linking imply investment in natural capital?', *87th Conference Volume of the Indian Economic Association*, Banaras Hindu University, Varanasi, December 2004, PP. 394-399 (Full paper).
28. A. K. Choudhury and N. C. Sahu, 'Flood control and interlinking of rivers', *87th Conference Volume of the Indian Economic Association*, Banaras Hindu University, Varanasi, December 2004, PP. 521 – 527 (Full paper).
27. N. C. Sahu and A. K. Choudhury, 'Industrial development and sustainable human welfare in India,' In K. C. Reddy (Ed), *Indian Economic Reforms: An Assessment*, Sterling Publishers Pvt. Ltd., New Delhi, 2004, PP. 127 – 150.
26. N. C. Sahu, 'The socio-economy of Ganjam district: Changes and challenges', In *Ganji-I-A'm: Great People, Great Culture, Great Heritage*, District Council of Culture, Chatrapur, Vol. III, December 2004, PP. 06 – 19.
25. N. C. Sahu and M. Padhi, 'Economic contributions of CPRs in the context of poverty and sustainable development: A micro study', *The Indian Economic Association 86th Conference Volume*, 2003, PP. 349 – 358.
24. N. C. Sahu and A. K. Choudhury, 'Economic ideas of Madhusudan Das', In J. K. Baral (Ed.), *Madhusudan: The Architect of Oriya Nationalism*, Vidyapuri, Cuttack, 2003, PP. 81 – 91.
23. N. C. Sahu, C. D. Panda & L. P. Panda, 'Contribution of forest resources to economic growth of Orissa,' National Seminar on *Utilisation of Forest and Mineral Resources for Economic Growth*, GIET, Gunupur, 2003, PP. 47 – 64.
22. M. Mishra, A. K. Choudhury and N. C. Sahu, 'Environmental cost of industrial development in Angul-Talcher Area of Orissa,' In N. Rajalakshmi (Ed), *Environment Cost and Economic Evaluation*, Manak Publications, New Delhi, 2002, PP. 60-79.
21. N. C. Sahu, 'The Environmental Kuznets Curve: A critique in the Indian perspective,' In N. Rajalakshmi (Ed), *Environment Cost and Economic Evaluation*, Manak Publications Pvt. Ltd., New Delhi, 2002, PP. 80 - 99.
20. A. K. Choudhury, M. Mishra and N. C. Sahu, 'Environmental taxation and double dividend debate: Implications for India,' In N. Rajalakshmi (Ed), *Environment Cost and Economic Evaluation*, Manak Publications, New Delhi, 2002, PP.120-135.
19. N. C. Sahu, 'Development-environment debate: The developing world perspective with special reference to India,' In G. S. Monga (Ed), *Environment and Development*, Deep & Deep, New Delhi, 2001, pp. 47-61.
18. M. Mishra and N. C. Sahu. 'Industrial development, environmental pollution and health hazards in Angul – Talcher area in Orissa,' In G. S. Monga (Ed), *Environment and*

- Development*, Deep & Deep, New Delhi, 2001, pp. 219-232.
17. S. Nanda, A. K. Choudhury and N. C. Sahu, 'Implications of promoting drinking water as a wage good: A study of Orissa,' In G. S. Monga and M.M. Goel (Ed), *Wage Goods Approach to Development*, Deep & Deep, New Delhi, 2001, pp. 163-176.
 16. A. K. Choudhury and N. C. Sahu, 'Economic implications of environmental crimes in Orissa,' In D. N. Reddy (Ed), *Crime, Corruption and Development*, Deep & Deep, New Delhi, 2001, PP. 107-123.
 15. N. C. Sahu, Ms. B. Nayak, D. P. Maharana and B. Nayak, 'Economic valuation of environment: components and complexities,' In N. Rajalakshmi (Ed), *Environment and Economic Development*, Manak Publications Pvt. Ltd., New Delhi, 2000, PP. 3 - 31.
 14. N. C. Sahu and L. P. Panda, 'Social choice in the context of environment and discount rate,' In R. Dutta and D. N. Konar (Ed), *Social Choice and Development*, Deep & Deep, New Delhi, 2000, PP. 29-42.
 13. P. K. Mishra and N. C. Sahu, 'Role of Voluntary Organisations in Micro Planning: A Case Study of ORRISSA in Malkangiri District of Orissa,' In K. Prasad and D. K. Madaan (Ed), *NGOs and Socio-Economic development Opportunities*, Deep & Deep, New Delhi, 2000, PP. 169-177.
 12. D. P. Maharana, B. Nayak and N. C. Sahu, 'Socio-economic change through NGOs: A case study of Gram Vikas in a Tribal Region in Orissa,' In K. Prasad and D. K. Madaan (Ed), *NGOs and Socio-Economic development Opportunities*, Deep & Deep, New Delhi, 2000, PP. 197 – 208.
 11. M. Mishra and N. C. Sahu, 'NGOs and Environment Protection in Angul-Talcher Area in Orissa,' In K. Prasad & D. K. Madaan (Ed), *NGOs and Socio-Economic development Opportunities*, Deep & Deep, New Delhi, 2000, PP. 244 – 257.
 10. A.K. Choudhury and N. C. Sahu, 'Implication of carbon tax in the Indian Federation,' In B. Satyanarayan (Ed.). *State Finance in India*, Delta Printing House, Hyderabad, 2000.
 09. A. K. Choudhury and N. C. Sahu, 'A carbon tax in the Indian federation: New possibilities and challenges,' In P. J. Gandhi and S. Subrahmanya (Ed), *New Facets of Financial Federalism*, Deep & Deep, 1999, PP. 186 – 210.
 08. N. C. Sahu and M. Mishra. 'Family and environment: an economic perspective of the issues involved,' In J. K. Baral and A. Chowdhury (Ed), *Family in Transition: Power and Development*, Northern Book Centre, New Delhi, 1999, PP. 83 – 94.
 07. N. C. Sahu, B. Nayak, D. P. Maharana and Ms. B. Nayak. 'Evolution of environmental economics and ecological economics,' In P. Pushpangadan, K. Ravi & V. Santosh (edited), *Conservation and Economic Evaluation of Biodiversity*, Oxford and IBH, New Delhi, 1997, Vol. 2, PP. 599 – 611.
 06. N. C. Sahu and B. Das. 'Forest policy of Orissa: A third visit,' In P. M. Mohapatra and P. C. Mohapatro (Ed), *Forest Management in Tribal Areas: Forest Policy and People's Participation*, Concept Publishing Co., New Delhi, 1997, PP. 43-59.
 05. N. C. Sahu and M. K. Misra, 'Role of common property resources in sustainable development of the rural economy of Orissa,' In B. Satyanarayan (Ed), *Social*

Sciences and Planning for Sustainable Development, 1998, PP. 69 – 77.

04. N. C. Sahu, 'Podu prevention and tribal development in Orissa,' *Environmental Conservation*, Orissa Environmental Society, 1985, PP. 5 – 13.
03. N. C. Sahu and N. B. Pradhan, 'Economic impact of ERRP programme (Jersey Cow) – a case study of Rangeilunda Block, Ganjam District, In B. Mishra (Ed), *Rural Development*, Orissa Economics Association, 1984, pp. 81-88.
02. N. C. Sahu and B. Das, 'Forest policy of Orissa,' *Proceedings of the Seminar on Environmental Curricula, and Environment and Natural Resource Management*, 4-6 June 1983, Orissa Environmental Society, Bhubaneswar, 1983, PP. 124 – 133.
01. N. C. Sahu. 'Aspects of forest planning in Orissa,' In B. Das (Ed), *Planning and Regional Planning: Concepts and Case Studies in Orissa*, Department of Economics, Berhampur University, 1978, PP. 99 – 108.

17. Articles in National and International Journals

(i) International

09. C. S. Bahinipati and N. C. Sahu, Mangrove Conservation as Sustainable Adaptation to Cyclonic Risk in Kendrapada District of Odisha, India, *Asian Journal of Environment and Disaster Management*, Research Publishing Services, Singapore, 2012, Vol. 4, No. 2 PP. 183 – 202.
08. C. S. Bahinipati and N. C. Sahu, Merchandise Trade Performance after Economic Reforms in India: An Explorative Analysis', *Asian Journal of Public Affairs*, Volume 2, No. 2, 2009, PP. 84-99.
07. M. Mishra and N. C. Sahu, 'Air Pollution: A Threat to Biodiversity', *International Journal of Environment and Development*, Vol. 5, No. 1, Janu.-June 2008, PP. 63-72 (Co-author: M. Mishra).
06. M. Mishra and N. C. Sahu, 'Environmental cost of drinking water in Angul-Talcher in Orissa', *International Journal of Environment and Development*, Vol.3, No.1, June 2006, PP.65-76.
05. N. C. Sahu and M. Mishra, 'Industrial Pollution: A threat to agricultural sustainability', *Journal of Environment and Ecological Management*, International Bi-annual Journal (ISSN: 0972 – 8694), Vol. 1, No. 1, July 2004, PP. 23 – 40.
04. A. K. Choudhury, N. C. Sahu and S. Nanda, 'Demand for water in Berhampur: Issues and tools for management', *Journal of Environment and Ecological Management*, Vol. 1, No. 1, July 2004, PP. 41 – 60.
03. M. K. Misra, N. C. Sahu, B. Govind Rao and S. K. Nisanka. 'Domestic fuel energy consumption in an Indian urban ecosystem,' *Biomass and Bioenergy*, Pergamon, Elsevier, UK, 1996, Vol. 9, No. 6, PP. 473 – 486.
02. N. C. Sahu and B. Nayak. 'Niche diversification in environmental/ecological economics,' *Ecological Economics*, Elsevier, The Netherlands, 1994, Vol. 11, PP. 9 – 19.
01. S. K. Nisanka, M. K. Misra and N. C. Sahu. 'Economics of fuel energy in an Indian village ecosystem,' *Bioresource Technology*, Elsevier, UK, 1992, Vol. 39, PP. 249 – 261.

(ii) National

30. N. C. Sahu, Community governance of forests for tribal welfare in Odisha, *Tribal Studies : A Journal of COATS*, Issue-I, Vol. II, June 2014 (in Press)
29. J. Satpathy and N. C. Sahu, Trans-Disciplinary Model for Absenteeism Management, *Uttaranchal Business Review*, Dehradun, 2012, August – Sept. Issue.
28. N. C. Sahu and N. Acharya Recreation value of Bhitarkanika mangrove ecosystem in Orissa *Prajnanubhuti*, The Journal of Social Sciences and Humanities, Vols. XVII – XVIII, March 2009 – March 2010, PP. 125 – 135. (Released during June 2011).
27. P. C. Misra and N. C. Sahu, Changing Face of Rural Road Infrastructure in Orissa, *Modern Management* (International referred journal on management issues), January – March, 2010; PP. 24-30.
26. P. C. Misra and N. C. Sahu, ‘Changing face of rural roads in Orissa: A socio-economic analysis’, *The Orissa Journal of Commerce*, Vol. XXX, No. 2, July 2009, PP. 15-25.
25. N. C. Sahu and S. K. Bali, ‘Forest Revenue of Orissa: Towards Tapping the Potential’, *Monograph Series -2*, Centre for Youth and Social Development (CYSD), Bhubaneswar, 2008, PP.1-44.
24. N. C. Sahu and S. K. Bali, ‘Water pollution in Indian states and the EKC hypothesis’, *Assam Economic Journal*, Vol. XX, 2007, PP. 1 – 18.
23. N. C. Sahu and S. K. Bali, ‘Prospective Analysis of Revenue from the forests of Orissa: An executive summary’, *Vision* (Journal of the Jayprakash Narayan Institute of Social and Economic Studies, Bhubaneswar), Vol. XXVII, No. 1, Jan-April, 2007, PP. 72-80.
22. N. C. Sahu and C. D. Panda, ‘An econometric analysis of shifting cultivation in an Indian tribal village’, *Assam Economic Journal*, 2006, Volume XIX, PP. 1-12.
21. N. C. Sahu, ‘Is there evidence of Environmental Kuznets Curve for loss of tropical forests in the World?’, *Assam Economic Journal*, Vol. XVIII, 2005, PP. 19-32.
20. A. K. Choudhury and N. C. Sahu, ‘Globalisation, trade expansion and environment in India’, *Assam Economic Journal*, Vol. XVII, 2004, PP.31 – 46.
19. A. K. Choudhury and N. C. Sahu, ‘Environmental excise duty and emission tax: A comparative analysis in the context of India,’ *Finance India*, Vol. 13, No. 1, March 1999, PP. 117 – 134.
18. N. C. Sahu and M. Mishra, ‘Changing industrial climate of Ganjam District,’ *The Kalinga Economic Review*, Vol.1, No.1, January 1998, PP. 1-10.
17. M. K. Misra, N. C. Sahu, S. K. Nisanka and S. P. Nayak, ‘Women in rural ecosystems,’ *The Bhanja Bihar Reporter*, Special Issue on Women, Environment and Communication, Vol. XXII, May 1996, PP. 12-19.
16. N. C. Sahu and M. Mishra, ‘Environmental pollution and women: A study of Angul-Talcher industrial area in Orissa,’ *The Bhanja Bihar Reporter*, Special Issue on Women, Environment and Communication, Vol. XXII, May 1996, PP. 31-39.
15. M. Mishra & N. C. Sahu, ‘Socioeconomy of the weavers under the cooperative set up’, *The Ganjam Economic Review*, Vol. 7, 1995, PP. 15-20.
14. N. C. Sahu, ‘Sustainable development: Implications and indicators,’ *The Bhanja Bihar Reporter*, Special Issue on Media and Environmental Communication in Orissa, Vol.

XXI, May 1995, PP. 54 – 56.

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05. H. K. Satapathy, N. C. Sahu and M. K. Misra, 'The Orissa State Cashew Development Corporation Ltd. – An analysis of working and performance', *Cashew Bulletin*, Vol. 25 (6), June 1988, pp. 1-13. (Abridged version of this paper with photographs again appeared in the *Indian Cashew Journal*, Vol. 19 (2), 1988).
04. H. K. Satapathy, N. C. Sahu & M. K. Misra, 'Need and justification for cashew development in Orissa,' *The Cashew*, July – September 1987, PP. 7 – 12.
03. N. C. Sahu, 'Impact of development programmes on tribal people of some villages of Kerandimal in Ganjam district', *Orissa Economic Journal*, Vol. 18 (1 & 2), 1985, PP. 51-56
02. R. C. Ray, D. P. Rao, R. N. Kar & N. C. Sahu, 'Appropriate technology for rural industrialisation of Orissa,' *Orissa Economic Journal*, Vol. 14 (2), 1981, PP. 43-47.
01. N. C. Sahu and B. Das, 'An appraisal of the Forest policy in Orissa,' *The Indian Forester*, 1979, Vol. 105, No. 1, PP. 41 – 49.

18.	Any Other Activities
	<p>(i) Post-Doctoral Fellowship</p> <p>Received the Overseas Post-Doctoral Research Fellowship in Environmental Economics under the World Bank Aided Project on Environmental Management Capacity Building in India, implemented by the MOEF, Government of India through the NIPFP, New Delhi and worked at the Environment Department, University of York, UK during 2000 - 2001. Besides completing a project, covered three courses on <i>Advanced Environmental Economics</i>, <i>Resource Economics</i> and <i>Spatial Analysis</i>.</p>

(ii) Major academic programmes organised

1. UGC Sponsored National Seminar on *Development of Tribal People, Minerals and Forests: Problems and Prospects in Orissa*, PG Department of Economics, Berhampur University, Orissa, 27 April 2005 (Seminar Director).
2. National Seminar on *Development and Environment Controversy in India*, PG Department of Economics, Berhampur University, 3-4 January 1998 (Co-organiser)
3. U.G.C. Sponsored First Refresher Course in Economics for University and College Teachers on *Advances in Modern Economics*, Department of Economics, Berhampur University, Orissa, 20 December 1995 to 16 January 1996 (Course Coordinator).

(iii) Reading materials published:

1. 'Development and Environment', Module/Lesson No. 29, M. A. Economics Final Year Paper I: *Economic Growth and Development*, School of Distance Education, Andhra University, Visakhapatnam, September 2006.
2. Following **twenty** Modules/Lessons, M. A. Economics Final Year Paper III: *Economics of Social Sector and Environment*, School of Distance Education, Andhra University, Visakhapatnam, January 2006
 - (i) 'Basic concepts of environment and ecology – Interaction between Economy and Environment', Module 1.1, Lesson 1, PP.01-23.
 - (ii) 'Externalities and Market failure', Module 1.2, Lesson 2, PP. 24-41.
 - (iii) 'Methods of Environmental Valuation – Travel cost method', Mod 1.4, Len 4, PP. 53-72.
 - (iv) 'Hedonic pricing method', Module 1.5, Lesson 5, PP. 73-91.
 - (v) 'Pigovian taxes, subsidies and tradable pollution permits', Mod. 2.7, Lesson. 7, PP. 104-122.
 - (vi) 'Coase's bargaining solution and collective action', Module 2.8, Lesson 8, PP. 123-143.
 - (vii) 'Trade and environment in WTO regime', Module 2.9, Lesson 9, PP. 144-161.
 - (viii) 'Mechanism for environment regulation in India', Module 2.10, Lesson 10, PP. 162-178.
 - (ix) 'Government policy for water and air pollution in India', Mod. 2.11, Lesson 11, PP. 179-191.
 - (x) 'Forest policy of Government of India', Module 2.12, Lesson 12, PP. 192-207.
 - (xi) 'Exhaustible and renewable resources', Module 3.1, Lesson 13, PP. 208-225.
 - (xii) 'Theories of optimal use of exhaustible resources', Module 3.2, Lesson 14, PP. 226-249.
 - (xiii) 'Trade-off between Environment and Development: The Environmental Kuznets

	<p>Curve Hypothesis’, Module 3.3, Lesson 15, PP. 250-264,</p> <p>(xiv) ‘Concept and Rules of Sustainable development’, Module 3.4, Lesson 16, PP. 265-278.</p> <p>(xv) ‘Indicators of Sustainable Development’, Module 3.5, Lesson 17, PP. 279-296.</p> <p>(xvi) ‘Health dimensions of development’, Module 5.1, Lesson 23, PP.331-345.</p> <p>(xvii) ‘Determinants of health – Poverty, Malnutrition and Environmental issues’, Module 5.2, Lesson 24, PP. 346-361.</p> <p>(xviii) ‘Global burden of disease’, Module 5.3, Lesson 25, 362-380.</p> <p>(xix) ‘Health care delivery system in India and Need for health insurance’, Module 5.4, Lesson 26, PP. 381-404.</p> <p>(xx) ‘Health Policy in India – Critical appraisal’, Module 5.5, Lesson 27, PP. 405-428.</p> <p>3. <i>The Development - Environment Interface: Sustainable Development</i>, Gopabandhu Academy of Administration, Bhubaneswar, August 1997, 28p.</p> <p>4. <i>Environmental Economics</i>, Gopabandhu Academy of Administration, Bhubaneswar, May 1997, 36p.</p> <p>5. <i>Planning</i>, Directorate of Correspondence Courses, Utkal University, Bhubaneswar, 1989, 40p.</p>
<p>19.</p>	<p>Seminar/Conferences/Workshops Attended: Selected programmes from about 90 national and international</p>
	<ul style="list-style-type: none"> ❖ Biennial Conference of the Indian Society for Ecological Economics (INSEE): Several years ❖ Annual Conference of The Indian Economic Association (IEA): Several years ❖ Annual Conference of The Indian Econometric Society (TIES): Different years ❖ Annual Conference of The Orissa Economics Association (IEA): Different years ❖ National Seminar on Indigenous People and Their Rights: Issues and Challenges, Centre for Canadian Studies, Berhampur University, 2014 ❖ UGC Sponsored National Seminar on Economic and Ecological Sustainability in a Regional Economy: A Reference to Bhitarkanika, Department of Economics, Sri Sri Jaganath Mahavidyalaya, Rajnagar, Odisha, 2014 ❖ National Seminar on Upliftment of the Downtrodden and Social Reform Movements in Odisha, Department of History, Berhampur University, 2012 ❖ Odisha Environment Congress, 2011 on Forest Resources of Odisha: Issues, Challenges and Potentials, Forest & Environment Department, Government of Odisha; Human Development Foundation, Bhubaneswar; and Centre for Environment & Development, Thiruvananthapuram, at Regional Museum of Natural History, Bhubaneswar, 2011 ❖ UGC Sponsored National Seminar on Social Protest Movements in Orissa Since Early

	<p>Times, Department of History, Berhampur University, 2011</p> <ul style="list-style-type: none"> ❖ Seventh IIDS - IIMS International Conference on Development (New Series), International Institute for Development Studies (IIDS), Australia in collaboration with International Institute of Management Sciences (IIMS), Kolkata, 2010 ❖ UGC Sponsored National Conference on Challenges in Human Development, Dr. SRK Government Arts College (Pondicherry University), Yanam, India, 2010 ❖ National Seminar on Democracy, Nation and Ideology: The Indo-Canadian Perspectives, Centre for Canadian Studies, Berhampur University, 2010 ❖ National Seminar on Women Empowerment in India: Issues and Challenges, Dept. of Economics, Osmania University, Hyderabad, 2009. ❖ UGC sponsored National Seminar on 60 Years of India's Development Experience, Department of Economics, Andhra University, Visakhapatnam, 2007. ❖ National Seminar on Identities and Representations: Indo-Canadian Perspectives, Centre for Canadian Studies, Berhampur University, 2007 ❖ National Seminar on Draft National Policy on Tribals and Human Resource Development in Tribal Areas, P.G. Departments of Economics & Rural Dev., Andhra University Campus, Etcherla, Srikakulam, 2006. ❖ International Workshop on Sustainable Environmental Management and Livelihood Issues: Indian and Canadian Perspectives, Shastri Indo-Canadian Institute (SICI, New Delhi) at Kolkata, 2005. ❖ International Conference on Conservation, Restoration and Management of Lakes and Coastal wetlands, Bhubaneswar, 2004. ❖ Fifth Biennial Conference of the ISEE on Beyond Growth: Institutions and Policies for Sustainability, Santiago, Chile, 1998. ❖ National Seminar on State Finances in India Department of Economics, Osmania University, Hyderabad, 1998 ❖ National Seminar on Environmental Cost of Economic Development, Department of Economics, University of Madras, Chennai, 1998. ❖ National Seminar on Social Sciences and Planning for Sustainable Development, Department of Economics, Osmania University, Hyderabad, 1996 ❖ Indo-British Workshop on Biodiversity: Conservation and Evaluation, Tropical Botanical Garden and Research Institute, Thiruvananthapuram, sponsored by the British Council Division, India, 1996.
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