

## BIO-DATA of UTPAL KUMAR DE

**Name:** UTPAL KUMAR DE

**Birth:** 04-07-1968; Burdwan (now Purba Bardhaman), West Bengal, India

**Address for Communication:** Department of Economics, North-Eastern Hill University, Shillong, 793022, Meghalaya, (INDIA)

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**Website:** [nehu-economics.info/de\\_uk.html](http://nehu-economics.info/de_uk.html)

**Qualification:** MSc., MPhil, PhD. in Economics (University of Burdwan).  
UGC National Eligibility Test (NET), January 1993.

**Current Position:** Professor, Department of Economics, North-Eastern Hill University, Shillong.

**Courses Taught:** Econometrics, Environmental and Resource Economics, Microeconomics,  
Agricultural Economics, Development Economics

### **Experience**

**Teaching:** 26 years of post-graduate level (since 1994).

**Since Jan. 1, 2012 - till date:** Professor, Department of Economics, North-Eastern Hill University, Shillong, Meghalaya, 793022.

**Jan. 1, 2006 to Dec. 31, 2011:** Associate Professor, Department of Economics, North-Eastern Hill University, Shillong, Meghalaya, 793022.

**Oct. 4, 2001 to Dec. 31, 2005:** Reader, Department of Economics, North-Eastern Hill University.

**Nov. 4, 1999 to Oct. 3, 2001:** Senior Lecturer, Department of Analytical & Applied Economics, Tripura University.

**Nov. 4, 1994 to Nov. 3, 1999:** Lecturer, Department of Analytical & Applied Economics, Tripura University.

### **Administrative:**

- 1996-97, In-charge, Department of Analytical & Applied Economics, Tripura University, Tripura.
- July 2014 to July 2017, Head, Department of Economics, North-Eastern Hill University, Shillong.
- Member, Academic Council, North Eastern Hill University, Shillong (Since 01-01-2012).
- Chairman, Board of Studies in Economics, North Eastern Hill University, 2014-2017.
- NAAC Peer Team Member since 2020.
- Member, Board of Research Studies, NEHU, 2007-09, and 2014 onwards continued.
- Member, Board of Post Graduate Studies, Dept. of Education, NEHU, 2003-05.
- Member, BPGS and BOS, Dept. of Rural Development and Agricultural Production, NEHU-Tura Campus, 2003-2005, 2014-2017.
- Member, Board of Studies, Department of Tourism and Hotel Management, NEHU, 2014-2017.
- Member, Board of Studies, Department of Library and Inf. Science, NEHU, 2014-2017.
- Member, Board of Studies, Department of Statistics, NEHU, 2014-2017, 2018-2021.

- Member, Board of Post Graduate Studies, Dept. of Economics, NEHU, 2006-08, 2012 onwards.
- Member, School Board of Economics, Management and Information Sciences, NEHU, 2007-09, 2012 onwards.
- Member, School Board of Technology, NEHU, 2017-20.
- Member, Board of Under-Graduate Studies, Dept. of Economics, NEHU, 2007-09 and since 2012, Chairman 2014-2017.
- Member, Board of Post Graduate Studies, Dept. of Management, NEHU, Tura Campus, 2011-13.
- Member, Board of Studies in Economics, Sikkim University, 2013-2016.

### ***Ancillary Service:***

Academic Counsellor: Indira Gandhi National Open University, Agartala Study Centre, for seven years. Holding the same position at IGNOU, NEHU Study centre, Bijni, Shillong since 2005

### ***Visiting Position:***

- Visiting Scientist of Indian Statistical Institute, Kolkata, 20/12/2013 to 03/02/2014
- Visiting Scientist of Indian Statistical Institute, Kolkata, 22/12/2014 to 10/02/2015
- Visiting Scientist of Indian Statistical Institute, Kolkata, 03/01/2016 to 02/02/2016
- Visiting Scientist of Indian Statistical Institute, Kolkata, 03/01/2017 to 30/01/2017
- Visiting Scientist of Indian Statistical Institute, Kolkata, 20/01/2017 to 06/02/2018
- Visiting Professor under SAP (DRS-I), Department of Economics, Vidyasagar University, Midnapore, West Bengal, 23/03/2019 to 29/03/2019
- Visiting Scientist of Indian Statistical Institute, Kolkata, 09/01/2020 to 27/01/2020

### ***Guest Faculty:***

For teaching “Financial Models in Agriculture” of the Course of “Agricultural Economics and Agricultural Marketing” to the PGD-ARSMA students during 01-04-2021 to 31-08-2021.

***Research:*** Doing research work since 1995, around 26 years.

### ***Other Responsibility:***

- i. Expert/observer of various state level civil/administrative, UGC NET/SET, College/University Examinations/Selections.
- ii. Expert for evaluation of the research proposals of ICSSR's IMPRESS programme in 2019.
- iii. Review-team member of SPARC (Scheme for Promotion of Academic and Research Collaboration) of Ministry of Human Resource Development, Government of India for review of research proposals in 2019.
- iv. Continuously engaged as Examiner/Evaluator of PhD/MPhil of various universities of India and Abroad (4 countries).

***Title of MPhil Dissertation:*** *Changes in Population, Employment and the Pattern of Occupational Distribution in West Bengal (1981-91)*

***Title of PhD Dissertation:*** *Crop Diversification in West Bengal during 1970-71 to 1994-95.*

***Broad Areas of Interest:*** Environmental and Resource Economics, Applied Econometrics, Agricultural Economics, Issues on Empowerment of Women

**Current Areas of Research:** Environmental and Resource Economics, Agricultural Economics and Rural Development, Issues on Empowerment of Women

**Professional Affiliation:**

1. North Eastern Economic Association
2. North-East India Council for Social Science Research
3. Indian Society for Ecological Economics

**Paper(s) Presented in Seminar/Conference/Invited Lecture:** Over Hundred

**Special Recognition:**

The Marquis Who's Who Publications Board certifies that Utpal Kumar De is a subject of biographical record in Who's Who in the World 2013 Pearl Anniversary Edition, inclusion in which is limited to those individuals who have demonstrated outstanding achievement in their own fields of endeavor and who have, thereby, contributed significantly to the betterment of contemporary society.

Awarded Outstanding Reviewer of the *Journal of Financial Economic Policy* in 2015 by Emerald Group Publishing.

**Projects Undertaken: Six**

Sl. No	Position	Title of the Project	Source of Fund	Year of Completion
1	PI	Valuation of Some Tourist Sites in Khasi Hills of Meghalaya	Univ. Grants Commission	2012
2	Co-PI	Empowerment of Women in Rural Areas: A Comparative Analysis of Tripura, Meghalaya and Jharkhand	Indian Statistical Institute, Kolkata	2010
3	Co-PI	Process of Empowerment of Women in Rural Areas: Case Studies in Jharkhand State	Indian Statistical Institute, Kolkata	2009
4	Co-PI	Process of Empowerment of Women in Rural Areas: Case Studies in two North-Eastern States	Indian Statistical Institute, Kolkata	2006
5	PI	Adoption of Modern Technology in Agriculture - A Study of West Bengal	UGC under unassigned grant scheme at Tripura University	2001
6	PI	Districtwise Variation in Agricultural Production, Productivity and Cropping Pattern in West Bengal since 1970-71	UGC under unassigned grant scheme at Tripura University	1999

**Research Guidance:**

**PhD: Thirteen (13)**

Sl	Name	Title of Dissertation	Year
1	Wallamlaibor Lyngkhoi	Population, Poverty and The Degradation of Forests: A Contemporary Analysis of Meghalaya	2007
2	Lambodar Rout	Impact of Coal Mining and Trading on The Economy of Meghalaya: A Case Study of Jaintia Hills District	2008
3	Manjit Das	Problems and Prospects of Ericulture in Assam with Special Reference to Barpeta District	2008
4	Amrita Devi	Valuation of Tourist Sites in Meghalaya: A Case Study of East Khasi Hills	2010
5	Polakshi Bhattacharyya	Factors Affecting Participation of People in MGNREGA: A Case Study of Morigaon District of Assam	2014
6	Krishna Chauhan	Degradation of Forest Resources, Bio-diversity and Its Impact	2014

		on the Village Economy around Sariska National Park	
7	Kamal Bodosa	Crop Diversification in Assam and the Role of Technology and Climatic Condition: With Special Reference to Kokrajhar and Dhemaji Districts	2015
8	Vitsosie Vupru	Determinants of the Demand for Housing in Dimapur: A Hedonic Pricing Approach	2017
9	Shailynti Lyngdoh	Road Infrastructure and Socio-Economic Development of Rural Areas of Meghalaya: with a special reference to East and West Khasi Hills	2018
10	Alaka Hujuri	An Evaluation of Performance of the Women Entrepreneurs in Assam with Special Reference to Kamrup District	2018
11	Gitumoni Rajbonshi	Traffic Congestion and Its Economic Impact in Shillong	2020
12	Christopher Pomwene Pawa Shafuda	Changes in Public Policy Instruments and Economic Development in Namibia: An Econometric Analysis	2020
13	Dahun Shisha Dkhar	Public Expenditure and Private Investment in Agriculture: A Study of Production and Productivity in Meghalaya	2020

**Scholars registered and currently working under Supervision for Ph.D.: Six.**

***Works in Progress:***

- Health Hazards of Coal Mine Workers in Meghalaya: An Economic Evaluation: (Scholar engaged: **Juban Nongbri**).
- Ethnic Conflicts and Socio-Economic Development: A Case Study of Bodoland Territorial Area District of Assam (Scholar engaged: **Kaveri Khound**).
- Impact of Foreign Institutional Investment on Volatility of Indian Stock Market: An Empirical Investigation (Scholar engaged: **Sushama Dey**).
- Modernization of Farms and Its Impact on Productivity, Income and Employment in Assam (Scholar engaged: **Ratna Kumari Tamang**).
- Non-Market Valuation of Historical Tourist Sites in Sivasagar, Assam (Scholar engaged: **Bidyajyoti Borah**).
- Vulnerability to Poverty in Rural Areas: A Case Study of Senapati District of Manipur (Scholar engaged: **S. Solomon**).

***Book(s) Published: Thirteen (13)***

1. Co-authored, *Housing Demand in a North East Indian Town*, Cambridge Scholar Publishing (forthcoming).
2. Co-authored and Co-edited, *Development and Deprivation in Indian Sub-Continent*, Routledge, London/New York and Levant Books, Kolkata, **2019**, (ISBN 978-93-88069-19-9).
3. (Co-authored and Co-edited), *Health and Healthcare in Indian Sub-continent: Special Focus on North-East India*, Concept Publishing Company, New Delhi, **2019**, (ISBN 978-93-86682-84-0).
4. (Co-authored and Edited), *Resource and Development in India – Special Focus on Tourism, Entrepreneurship & Natural Resources of North-East*, Concept Publishing Company, New Delhi, **2019**, (ISBN 978-93-86682-75-8).
5. (Co-authored and Co-edited), *Deprivation, Development and Empowerment of Women in India: North-East Perspectives*, Bookwell, New Delhi **2018**, (ISBN: 978-93-80574).
6. (Co-authored and Co-edited), *Issues on Health and Healthcare in India: Focus on the North-Eastern Region*, Springer Nature Singapore Pte Ltd. **2018**, (ISBN: 978-981-10-6103-5).

7. (Co-authored and Co-edited), *Inequality, Poverty and Development in India: Focus on the North-Eastern Region*, Springer Nature Singapore Pte Ltd. **2017**, (ISBN:978-981-10-6273-5).
8. (Co-authored and Edited): *India's Look East Policy and North-East India*, Concept Publishing Company, New Delhi, **2016** (ISBN: 978-93-51251927).
9. (Co-authored and Co-edited): *Economy of North-East India: Challenges and Tasks Ahead*, Binapani Publishing House, Guwahati, **2012** (ISBN: 978-81-92323916).
- 10.(Co-authored & Co-edited): *Gender Deprivation and Empowerment of Women: An Indian Perspective*, Lambert Academic Publishing, Germany, **2011** (ISBN: 978-38-43394970).
11. (Co-authored & Co-edited): *Issues on Natural Resource Management with Special Reference to North-East India*, Regency Publications, New Delhi, **2007** (ISBN: 978-81-89233518).
12. (Co-authored & Co-edited): *Issues on Empowerment of Women*, Mohit Publication, New Delhi, **2004** (ISBN: 81-7445-269-9).
13. (Co-authored & Co-edited): *Education in North East India: Experience and Challenge*, Concept Publishing House, New Delhi, **2004** (ISBN: 81-8069-063-6).
14. (Authored): *Economics of Crop Diversification*, Akansha Publishing House, New Delhi, **2003** (ISBN: 978-81-87606222).

### **Research Paper(s) Published in Journals and Edited Volumes:**

#### **(a) Articles in International Journals:**

1. De, U. K., M. Pal and P. Bharati (2021), "Unequal Effect of Parents' Education on Child Health and Health Care", *International Journal of Statistical Sciences*, 21(1), 55-74. (ISSN: 1683-5603).
2. Pal, M., U. K. De, P. Bharati and S. Bharati (2021), "Status of Health of Under-5 Children in Four Metro Cities in India: A Comparative Analysis using the Latest NFHS Data", *South Asian Anthropologist*, 21(1), 97-108. (ISSN: 0257-7348). (**ImpFac .175**)
3. De, U. K. and V. Vupru (2021), "Housing Demand and its Determinant in a Small Town of India" *Journal of Urban Planning and Development*. 147(1), 1-12, **ASCE Journal** (ISSN: 0733-9488 (Print), 1943-5444 (Online)) (**ImpFac 1.69**). **SCOPUS-Listed**.
4. De, U.K. and G. Rajbongshi (2020), "Evaluation of Traffic Congestion in a Hill City of North-East India" *e-Review of Tourism Research (eRTR)*, 18(3), 451-477 (ISSN: 1941-5842), (ImpFac 0.16). **SCOPUS-Listed**. Available at: <https://journals.tdl.org/ertr/index.php/ertr/article/view/729>
5. De, U.K. and S. Lyngdoh (2020), "Impact of Road Connectivity on Access to Healthcare and Education in Rural Meghalaya: The Case of East and West Khasi Hills", *Social Science Journal*, Faculty of Social Science, University of Rajshahi, March 2020, 24, 397-414. (ISSN: 1728-1474).
6. De, U.K. and G. Rajbongshi (2020), "Statistical Application for the Analysis of Traffic Congestion and Its Impact in a Hill City", *International Journal of Statistical Sciences*, 20(1), 19-48. Available at [http://www.ru.ac.bd/stat/wpcontent/uploads/sites/25/2020/03/ICDSSDG\\_COR-2019\\_paper\\_16F.pdf](http://www.ru.ac.bd/stat/wpcontent/uploads/sites/25/2020/03/ICDSSDG_COR-2019_paper_16F.pdf). (ISSN: 1683-5603).
7. Maji, S.G., U. K. De and A. Gunardi (2020), "Simultaneous Association between Quality of Corporate Environmental Performance and Financial Performance: Evidence from Select Asian Countries", *Indonesian Journal of Sustainability Accounting and Management*, 4(1), 78-92. DOI: <https://doi.org/10.28992/ijsam.v4i1.206>; **Universitas Pasundan**, Available at: <https://unpas.id/index.php/ijsam/issue/view/13> (ISSN: 2597-6214 (Print), 2597-6222 (Online)). (**Web of Science Group: Master Journal List**) <https://mjl.clarivate.com/search-results>

8. Christopher, P.P. Shafuda and U. K. De (2020), “Government Expenditure on Human Capital and Growth in Namibia: A Time Series Analysis”, *Journal of Economic Structures*, 9(1), 1-14. (Springer), (ISSN: 2193-2409), (**ImpFac .422**). **SCOPUS-Listed**. Available at <https://link.springer.com/content/pdf/10.1186/s40008-020-00196-3.pdf> Or at <https://journalofeconomicstructures.springeropen.com/articles/10.1186/s40008-020-00196-3>
9. Shafuda, Christopher, P.P. and U.K. De (2020), “Fiscal Policy Changes in Namibia after Independence: Are Namibians Better Off under Independent Decision Making?”, *Strategic Review for Southern Africa*. 42(1),69-98. (ISSN:1013-1108),University of Pretoria. Available at [https://www.up.ac.za/media/shared/85/Strategic%20Review/VOL%2042%20\(1\)/strategic\\_review\\_article\\_3.zp191560.pdf](https://www.up.ac.za/media/shared/85/Strategic%20Review/VOL%2042%20(1)/strategic_review_article_3.zp191560.pdf) (**Web of Science Core Collection**) <https://mjl.clarivate.com/search-results>
10. De, U.K. and Christopher, P.P. Shafuda (2020), “Changing Public Policy on Expenditure in Namibia after Independence and Its Impact”, *International Journal of Public Policy*, 15 (5/6), 358-379 (ISSN: 1740-0619), **Inderscience**. (**ImpFac .50**). **SCOPUS-Listed**.
11. De, U.K. and S. Lyngdoh (2020), “Road Connectivity on Access to Healthcare in Rural Meghalaya: A Case Study”, *Journal of Rural Development*, 43(1), 1-35, **BARD**, Comilla, Bangladesh (ISSN: 1019-0341).
12. Shafuda, C. P. and U.K. De (2019), “Government Spending and Socio-Economic Development in Namibia: A Time Series Analysis”, *Bank Parikrama*, Vol. XLIV, No. (1 & 2), pp. 128-167. **BIBM**, Dhaka. (ISSN: 1019-7044) [http://journal.bibm.org.bd/current\\_issue.php](http://journal.bibm.org.bd/current_issue.php)
13. De, U.K. and M. Pal (2019), “Impact of Climate Change on Agricultural Productivity in India’s North-Eastern Region: A Panel Data Analysis” *International Journal of Statistical Sciences*, Vol. 19, pp. 1-38, (ISSN: 1683-5603). Available at [http://www.ru.ac.bd/stat/wp-content/uploads/sites/25/2019/09/1Formatted\\_1808\\_Final.pdf](http://www.ru.ac.bd/stat/wp-content/uploads/sites/25/2019/09/1Formatted_1808_Final.pdf)
14. Dkhar, D. S., B. Mishra and U.K. De (2019), “Private Investment and Agricultural Output: A Case Study of Meghalaya”, *International Journal of Basic and Applied Research*, Vol. 9, No. 5, pp. 207-220, (ISSN: 2249-3352 (P) 2278-0505: (E)). (**ImpFac .14**) Available at: <http://www.pragatipublication.com/assets/uploads/doc/2d578-207-220.16675.pdf>
15. De, U.K (2019), “Regional Integration and Trade of India and Bangladesh with ASEAN Countries: An Empirical Investigation”, *The Comilla University Journal of Social Science*, Vol. 1, No. 1, pp. 1-18. (ISSN: 2663-2659).
16. De, UK and V. Vupru (2019), “Role of Neighborhood Socio-Cultural & Religious Homogeneity in Housing Choice at Dimapur Town, India”, *Journal of Developing Areas*, Vol. 53, No.2, pp. 123-138, (ISSN. 1548-2278 (Print), 0022-037X (Online)). **SCOPUS-Listed**. Available at: <https://muse.jhu.edu/article/703000/pdf>. (**ImpFac .19**)
17. De, U.K. and Dahun S. Dkhar (2018), “Public Expenditure and Agricultural Production in Meghalaya, India: An Application of Bounds Testing Approach to Co-Integration and Error Correction Model”, *International Journal of Environmental Sciences & Natural Resources*, Vol. 8, No 2, pp. 01-08 (ISSN: 2572-1119), **DOI: 1019081/IJESNR.2018.08.555735**. Available at: <https://juniperpublishers.com/ijesnr/pdf/IJESNR.MS.ID.555735.pdf> (**ImpFac .954**)
18. De, U.K. (2018), “Road Infrastructure and Agricultural Development: A Policy Intervention in a Backward Rural Economy”, *Society & Change*, Vol. XII, No.2, April-June, pp. 45-75, (ISSN: 1997-1052 (print), 227-202X (Online)). Available at <http://societyandchange.com/uploads/1547121426.pdf>
19. De, UK and G.S. Mallik (2017), “An application of Vector Error Correction Model to Analyze the Impact of Climate Change on Agricultural Productivity in India’s North-Eastern Region”, *Keio Economic Studies*, Vol. 53, pp. 39-51, (ISSN: 0022-9709). Available at: <https://scholar.google.ca/scholar?q=%22An%20application%20of%20vector%20error%20corr>



ection%20model%20to%20analyze%20the%20impact%20of%20climate%20change%20on%20agricultural%20productivity%20in%20India%27s%20north-eastern%20region%22

20. Vupru, V. and U.K. De (2017) “Hedonic Method in House Pricing Analysis: A Critical Review”, *EPRA International Journal of Economic and Business Review*, 5(11), 77-85 (ISSN: 2347-9671; 2349-0187). Available at: <https://eprawisdom.com/jpanel/upload/articles/309pm16.Vitsosie%20Vupru%20&%20Utpal%20Kumar%20De.pdf> (**ImpFac 6.484**)
21. De, UK and V. Vupru (2017), “Location and Neighbourhood Conditions for housing Choice and Its Rental Value: Empirical Examination in an Urban Area of North-East India”, *International Journal of housing Markets and Analysis*, Vol. 10, No. 4, pp. 519-538 (ISSN: 1753-8270). (**ImpFac .77**). **SCOPUS-Listed**.
22. De, U. K. and BN Ghosh (2016), “Land Acquisition in Singur for Industrialization: SEZ, Politics and Economic Intricacy”, *South Asian Journal of Policy and Governance*, Vol. 38, No. 1, pp. 77-93 (ISSN: 2091-0215 (Online), 2091-0207 (Print)).
23. De, U. K. (2015), “The Need for Climatic Analysis and Weather Forecasting”, *Journal of Climatology & Weather Forecasting*, Vol. 3, No. 1, pp. 1-2 (ISSN: 2332-2594). (**ImpFac .96**)
24. De, U. K. and K. Chauhan (2015), “Degradation of Forest and Biodiversity in Sariska National Park, India and the Responsible Factors”, *International Journal of Environment and Sustainable Development*, Vol. 14, No. 2, pp. 398-426 (ISSN: 1478-7466 (Online), 1474-6778 (Print)). (**ImpFac .13**). **SCOPUS-Listed**.
25. De, UK, M. Pal and K. Bodosa (2015), “Global Warming and the Pattern of Overall Climate Changes in Sub-Himalayan Assam Region of North-East India”, *International Journal of Ecological Economics and Statistics*, Vol. 36, No. 3, pp. 88-105 (ISSN: 0973-7537 (Online), 0973-1385 (Print)). **SCOPUS-Listed**. (**ImpFac .30**)
26. Maji, S. G. and U. K. De (2015), “Regulatory Capital and Risk of Indian Banks: A Simultaneous Equation Approach”, *Journal of Financial Economic Policy*, 7(2), 140-156, **Emerald Publishing**, (ISSN: 1757-6385). (**ImpFac .25**). **SCOPUS-Listed**. Available at: [https://www.researchgate.net/publication/344402591\\_Regulatory\\_Capital\\_and\\_Risk\\_of\\_Indian\\_Banks\\_A\\_Simultaneous\\_Equation\\_Approach](https://www.researchgate.net/publication/344402591_Regulatory_Capital_and_Risk_of_Indian_Banks_A_Simultaneous_Equation_Approach)
27. De, U.K. and K. Chauhan (2014), “Impact of Degradation of Forest on the Livelihood of Inhabitants in Sariska Tiger Reserve, India”, *Biodiversity Watch*, Vol. 3, January-March, pp. 103-124 (ISSN No: 2438-4497). (**ImpFac .25**)
28. De, U. K. and K. Bodosa (2014), “Crop Diversification in Assam and Use of Modern Inputs under Changing Climatic Condition”, *Journal of Climatology & Weather Forecasting*, Vol. 2, No.2, pp. 1-14; <http://dx.doi.org/10.4172/2332-2594.1000120> (ISSN:2332-2594). (**ImpFac .96**)
29. De, U. K. (2014): “Ethnic Conflict in India’s North-East: Complexities of Causes and Consequences”, *Indian Journal of Social Development*, 14(2), 147-160 (ISSN: 0972-3692).
30. De, U. K. (2014) “India’s Look East for Integration with East Asia: Step towards Progress” *Journal of International Economics*, Vol. 5, No. 1, Jan-June, pp. 105-121 (ISSN: 0976-0792).
31. De, U. K. (2014): “Globalisation and Co-integration among the States and Convergence across the Continents: A Panel Data Analysis”, *Economic Analysis and Policy*, Vol. 44, No. 1, pp. 107-121, **Elsevier**, (ISSN: 0313-5926). (**ImpFac 1.973**). **SCOPUS-Listed**.
32. De, U. K. (2013), “Sustainable Nature based Tourism, Involvement of Indigenous Women and Development: A Case of North East India”, *Tourism Recreation Research*, 38(3), 311-324, November, (ISSN: 0250–8281 (Print), 2320–0308 (Online)). **SCOPUS-Listed**. (**ImpFac 1.36**)

33. De, U. K. (2013), "Infrastructural Growth, Farm Size and Pattern of Crop Diversification across the Districts of West Bengal", *Global Journal of Science Frontier Research*, Volume 13, Issue 5, Version 1, pp. 07-33 (ISSN: 2249-4626 (Online), 0975-5896 (Print)).
34. De, U. K. & A. Devi (2013), "Willingness to Pay Analysis for Recreation and Conservation of Nature", *International Journal of Ecological Economics and Statistics*, Vol. 30, No. 3, pp. 102-120 (ISSN: 0973-7537). **SCOPUS-Listed. (ImpFac .30)**
35. De, U. K. (2012), "Nature based Tourism, Opportunities of Indigenous Women and Their Empowerment: A North East Indian Perspective", *Asian Journal of Hospitality and Tourism*, 11(2), 110-128 (ISSN: 1412-2073). Available at <http://journals.itb.ac.id/index.php/ajht/article/view/3468>
36. De, U.K. and P. Bhattacharya (2012): "Factors Affecting People's Participation in MGNREGA: A Case Study of Morigaon in Assam" *Journal of Social and Economic Policy*, Vol. 9, No. 2, pp. 143-160 (ISSN: 0973-3426).
37. De, U. K. (2012) "Livelihood, Dependence on Forest and its Degradation: Evidence from Meghalaya", *Environment and Natural Resources Research*, 2(3), 96-114 (ISSN: 1927-0488 (Print), 1927-0496 (Online)). **(ImpFac 6.22)**
38. De, U. K. and M. Pal (2011), "Problem of Water for Domestic Use and Peoples' Revealed Willingness to Pay for It: A Study of Hilly Urban Area in North-East India", *Asian-African Journal of Economics and Econometrics*, 11(2), December, 333-350 (ISSN: 0972-3986). **(ImpFac 5.634)**
39. De, U. K. (2011), "Human Resource and Economic Development: Where Does North-East India Stand?" *International Journal of Asian Social Science*, 1(4), November, 108-116 (ISSN: 2224-4441). **(ImpFac .655)**
40. De, U. K. and M. Pal (2011), "Dimensions of Globalisation and Their Effect on Economic Growth and Human Development Index", *Asian Economic and Financial Review*, Vol. 1, No 1, pp. 1-13 (ISSN: 2222-6737). **(ImpFac .23)**. **SCOPUS-Listed**. Available at: <http://www.aessweb.com/pdf-files/vol-1.1-13.pdf>
41. Sen, Neelanjan; U. K. De and B. N. Ghosh (2010), "Gender Empowerment, Deprivation and Poverty in Rural Jharkhand: A Case Study" *International Journal of Current Research*, Vol. 11, pp. 107-116, December (ISSN: 0975-833X). **(ImpFac 7.749)**. Available at: <https://www.journalcra.com/sites/default/files/issue-pdf/249.pdf>
42. De, U. K. and M. Chattopadhyay (2010), "Crop Diversification by Poor Peasants and Role of Infrastructure: Evidence from West Bengal", *Journal of Development and Agricultural Economics*, Vol. 2, No. 9, October, pp. 340-350 (ISSN 2006-9774). **(ImpFac 1.0597)**, Available at: <https://academicjournals.org/journal/JDAE/article-full-text-pdf/F6AB3E71959>
43. De, U. K. and M. Das (2010), "Excess Capacity in Ericulture of Assam: An Econometric Analysis", *Journal of Social and Economic Policy*, 7(1), June, 115-128 (ISSN: 0973-3426).
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Also, A modified version “Implication of Covid19 for Agriculture and Informal Sector in India and the Policy Options” is available at *Alternatives India - Vikalp Sangam*: In response to Corona Times. Available at: <https://drive.google.com/file/d/1WQ1-vOAFSTZzlcJ4EMx6RkVqLR2eVncx/view> or at <https://vscoronatimes.blogspot.com/p/petitions.html>

**Papers Communicated:**

- De, U.K. “Factors affecting Dependence on Forest and Degradation - Evidence from Meghalaya”.
- Sinha, Ashish, Behera, HC and De, U.K. “Livelihood Analysis Using Comparative Approach in the Fifth and Non-Fifth Scheduled Areas of Jharkhand, India”, *Forum for Development Studies*.

**Training:**

1. Participated in a three-week course on Research Methodology of Urban Studies, organised by Centre for Urban Economic Studies, University of Calcutta from January 30 to February 19, 1995.
2. Attended and successfully completed the UGC sponsored Orientation Programme at the Academic Staff College, University of Calcutta, from March 14 to April 12, 1997.

3. Participated in “The Winter School on Statistical Methods in Social Sciences”, at the Indian Statistical Institute, Calcutta during Oct. 20 – Nov.8, 1997.
4. Participated and successfully completed the World Bank sponsored “Faculty Upgradation Programme in Environmental Economics”, at the Indira Gandhi Institute of Development Research, Mumbai, during Oct.11 – Nov. 5, 1999.
5. Participated in a UGC sponsored three-week Refresher Course in Economics at the University of Burdwan from 15-2-2001 to 7-3-2001.
6. Attended a three-week Training Course in Fundamentals of Microeconomics for Environmental Economics from January 3<sup>rd</sup> to 20<sup>th</sup>, 2007 at Nepal organised by South Asian Network for Development and Environmental Economics.

### **Seminar/ Conference:**

#### **International Conference:**

1. Delivered a lecture on “COVID-19 and Employment: Indian Perspective” as Resource Person in the International Webinar on “SAARC Countries and COVID-19” organized by Sudhiranjan Lahiri Mahavidyalaya, West Bengal, India, in collaboration with Kisan Post Graduate College, Bahraich, Uttar Pradesh, India on 01.10.2020 & 02.10.2020.
2. Delivered lead paper on “COVID-19 and the Indian Economy” on 25 August 2020 in the First Virtual Conference of the Professional Statisticians Society of Nigeria (PSSN) held at University of Ilorin, Nigeria during Monday 24th – Wednesday 26th August 2020.
3. Delivered a talk as a Speaker on the ‘Impact of COVID-19 on Indian Economy’ in the Two Days Online Workshop on “Impact of COVID-19 on Indian Economy with Special Reference to Assam” organised by the Department of Economics, Bodoland University, Kokrajhar, Assam, India during 6-7 June, 2020.
4. Attended as a *Panellist/speaker* in the Webinar on Agrobiodiversity of Indian Himalayan Region (with the special emphasis on traditional food) and delivered a lecture on ‘Culinary or Food Tourism - Emphasis on Traditional Food’ organised by G. B. Pant National Institute of Himalayan Environment, Almora, Uttarakhand on 05-06-2020.
5. Delivered *Keynote Address* and as Resource person presented a paper on “Regional Integration and Trade of India and Bangladesh with ASEAN Countries: An Empirical Investigation” in the International Seminar on Act East Policy of India and Engagement with ASEAN on 30-31 January, 2020 at Bodoland University, Kokrajhar, Assam.
6. Presented a paper on “Does Road Connectivity Improve Access to Healthcare? - A Study in Rural Meghalaya?” in the ‘2<sup>nd</sup> International Conference on Applied Statistics (ICAS 2019)’ organized by Institute of Statistical Research and Training, Dhaka University on December 27-29, 2019.

Also acted as a chairperson in the session on *Public Health* in the said conference.

7. With Gitumoni Rajbongshi presented a paper on “Statistical Application for the Analysis of Traffic Congestion and Its Impact in a Hill City” in the 7<sup>th</sup> International Conference on ‘*Data Science and SDGs: Challenges, Opportunities and Realities*’ organized by the Department of Statistics, Rajshahi University, Bangladesh on 18-19 December, 2019.

Also, chaired a session on *Health Analysis* in the said conference.

8. As Resource Person, presented paper on “Extreme climatic behaviour, its impact and possible adaptation” in the Smart Cities Workshop on SUSTAINABLE URBAN DEVELOPMENT Organised by Heidelberg University, ORF, SPA and IMPRI in Collaboration with CPPR and Supported by Friedrich Naumann Foundation for Freedom on September 20, 2019 at Marriot Hotel, Kochi, Kerala.

9. Presented a paper on “Determinants of Urban Housing Demand: An Empirical Investigation in a North-East Indian Town”, in the 1<sup>st</sup> International Conference on ‘Prospects and Challenges of Sustainable Development in Developing Countries’ organized by Faculty of Social Science, University of Rajshahi during 19-20 July 2019.
10. Presented a paper on “Impact of Road Connectivity on Access to Healthcare in Rural Meghalaya: A Case Study of East & West Khasi Hills”, in the 1<sup>st</sup> International Conference on ‘Prospects and Challenges of Sustainable Development in Developing Countries’ organized by Faculty of Social Science, University of Rajshahi during 19-20 July 2019.
11. Presented a paper entitled “Climate Change Adaptation and Diversification of Crop for Sustainable Agriculture in Eastern Himalaya” in the BER International Conference for Economists 2019 on “Inclusive Growth for Sustainable Development” held at University of Dhaka, Dhaka, Bangladesh during 6-7 July 2019.
12. Delivered special lecture on “Risk Reduction through Adaptation to Climate Change and Diversification of Crop for Sustainable Agriculture in Eastern Himalaya” in the UGC SAP (DRS-I) Supported International Seminar on *Sustainable Development of Backward Regions with Special Reference to Issues of Resource Management in West Bengal*, at Department of Economics, Vidyasagar University during 27-28 March, 2019.  
Also chaired the inaugural session and a session on Inclusive and Sustainable Development: A Study with Special Reference to Backward Areas of West Bengal
13. Christopher P.P. Shafuda with Utpal Kumar De presented a paper on “Fiscal Policy Changes in Namibia: For Better or for Worse?” in the XX Annual International Conference GLOBAL VISION 2030: CHALLENGES & OPPORTUNITIES held during January 4-5, 2019 at Deen Dayal Upadhyaya College, University of Delhi, Delhi.
14. Presented a paper with Christopher P.P. Shafuda, on “Government Spending and Socio-Economic Development in Namibia” in a seminar on “Centralized and Decentralized Banking: A Study of the Risk-Return Profile of Banks” and “Government Spending and Socio-Economic Development in Namibia” at the Bangladesh Institute of Bank Management, Dhaka on 25-11-2018.  
Also acted as a Designated Discussant in the Seminar.
15. As **Resource Person**: presented a paper on “Regional Integration and Trade of India and Bangladesh with ASEAN Countries: An Empirical Investigation” in the National Conference on Inclusive Growth for Sustainable Development held at Comilla University, Bangladesh on 29-03-2018. Also chaired a session in the Seminar.
16. As **Resource Person**: presented a paper on “Road Infrastructure and Agricultural Development: A Policy Intervention in a Backward Economy”, in the Insearch 2017: 4<sup>th</sup> International Integrative Research Conference on Education, Governance and Development held on 18 & 19 December 2017 at BARD, Comilla, Bangladesh.
17. As invited speaker (with Girijasankar Mallik) presented a paper on “An Application of Vector Error Correction Model to Analyze the Impact of Climate Change on Agricultural Productivity in India’s North-Eastern Region”, in the International Conference on Bioinformatics and Biostatistics for Agriculture, Health and Environment held during 19 to 23 January, 2017 at, University of Rajshahi, Bangladesh.  
Also, I acted as chairperson of a session on *Health Statistics and Demography* in the same conference on 23-01-2017. Further I was a member of International advisory committee of the same conference.
18. As **Keynote Speaker**: presented a paper on “Climate Change, Agricultural Productivity & Farmers' Response in India's North-East”, in the Insearch 2016: 3rd International Integrative Research Conference on Development, Governance and Transformation held on 27 & 28 December 2016 at BARD, Comilla, Bangladesh.

Also, I acted as chairperson of a session on *Business, Banking, Finance and Market*, in the same conference on 27-12-2016.

19. Presented paper on “Women in MGNREGA in India's North-East” in International Conference on Social and Political Issues (ICSPI) 2016 held at Sanur Paradise Plaza Hotel, Bali, Indonesia by Faculty of Social and Political Sciences, Universitas Indonesia during 19-21 October, 2016.
20. Presented paper on “Sustainable Agricultural Management, Productivity Growth and Impact of Climate Change in India’s North-East” in the 3<sup>rd</sup> ISA Forum of Sociology on *The Futures We Want: Global Sociology and the Struggles for a Better World*, held at University of Vienna, Austria during 10-14 July, 2016.
21. Participated as an invited speaker and presented paper on “Farmers’ Response to Changing Climate in India’s North East”, in The 2nd ISM International Statistical Conference 2014 with Applications in Sciences and Engineering (ISM-II), held in Pahang, Malaysia during 12-14 August 2014.
22. Participated as an invited speaker and presented a paper (with Prof M. Pal) on “Informal Household Water Market and Determinants of Price: Evidence from an Indian Hill City”, in The 2nd ISM International Statistical Conference 2014 with Applications in Sciences and Engineering (ISM-II), held in Pahang, Malaysia during 12-14 August 2014.
23. Participated as an invited speaker and presented a paper (with Prof P. Bharati and Prof M. Pal) on “A Modified Diversity Index and its Application to Crop Diversity in Assam, India”, in The 2nd ISM International Statistical Conference 2014 with Applications in Sciences and Engineering (ISM-II), held in Pahang, Malaysia during 12-14 August 2014.
24. Participated as an invited speaker and presented a paper (with BN Ghosh) on “Women in Natural Resource Collection: Experience from Rural Jharkhand in India”, in The 2nd ISM International Statistical Conference 2014 with Applications in Sciences and Engineering (ISM-II), held in Pahang, Malaysia during 12-14 August 2014.
25. Participated and presented a paper on “Crop Diversification in Assam and Use of Modern Inputs under Changing Climatic Condition: Indication of a Retrograded Option”, in International Econference on “Issues on Development, Wellbeing and Livelihood” organised by the Dept. of Economics, University of Burdwan, during January 17- 18, 2014.
26. Participated and presented a paper on “Global Warming and the Pattern of Overall Climate Changes in Sub-Himalayan Assam Region of North-East India”, in 7<sup>th</sup> Biennial Conference of INSEE on *Global Change, Ecosystems, Sustainability* organized by the Indian Society for Ecological Economics at Tezpur University, Assam during 5-7 December, 2013.
27. Participated and presented a paper on “How far is India’s Look East Policy under Globalisation Successful?” in International Econference on *Development, Environment and Sustainable Livelihood*, organised by the University of Burdwan, West Bengal during 18-19 January, 2013.
28. Participated and presented a paper on “Sustainable Nature Based Tourism, Involvement of Indigenous Women and Development: A Case of North-East India” in the Joint World Conference on Social Work and Social Development: Action and Impact, jointly organized by IASSW, ICSW and IFSW in Stockholm, Sweden, 8-12 July, 2012.
29. Participated and presented a paper on “Development of Tourism, Involvement of Indigenous Women and Process of Empowerment: A Case Study in Meghalaya” in the International

Seminar on *Lifelong Learning and Skill Development* organized by Department of Adult and Continuing Education, NEHU, Shillong during 17-18 Oct., 2011.

30. Participated and presented a paper on “Problem of Water for Domestic Use and Peoples’ Willingness to Pay for It: A Study of Shillong Urban Area” in the International Seminar on Water Crisis in the Indian Subcontinent: Issues and Challenges, organized by Department of Geography, NEHU, Shillong during 23-24 Nov., 2009.
31. Participated and presented a Paper entitled “population, Poverty and the Problem of Natural Resource Management” in the International Conference on Human and Economic Resources held in Izmir University of Economics, Turkey on May 24-25, 2006.
32. Participated and presented a paper on “Dynamics of Coal and Limestone Extraction in Meghalaya: A Comparative Analysis” in International Conference on Issues in Development Economics: Environment, Culture & Society, organised by the University of Burdwan, West Bengal during 28-29 January, 2006.
33. Participated and presented a paper on “Population, Poverty and Natural Resource Use” in the International Conference on Demographic Dividend, organised by the Liberty Institute, Julian Simon Centre, New Delhi on 5<sup>th</sup> January, 2006.
34. Participated and presented a paper on “Status and Prospect of Limestone Quarrying in Meghalaya Vis-à-vis it’s Trade with Bangladesh” with D. Kharlukhi, in the International Seminar on Indo-Bangladesh Border Trade: Status and Prospects, held in North Eastern Hill University, Shillong, during 12 – 13 July, 2005 and organised by ICSSR-NERC.

#### **National Seminar/Conference:**

1. Chief Guest and Keynote speaker at National Webinar on “Sustainable Development: Battling Environmental Problems Through Systematic Lockdown” organized by the Department of Economics, Union Christian College, Meghalaya on 16<sup>th</sup> January, 2021.
2. As a Panellist, presented a paper on “Policy Perspective in the post Covid-19 for Employment and Development” in the Webinar Panel Discussion on “Post-Pandemic Growth & Development: The Roads for Rebutting Indian Economy” organised by Silchar Management Association, and Department of Management, Assam University, Silchar on 03-10-2020.
3. As invited speaker presented a paper on “Empowerment of Rural Women in Some Tribal Societies of North-East India: A Case Study” in the National Seminar on Philosophy of Tribal Culture and Religion: An Emerging Trend at Women’s College, Agartala, Tripura on 1<sup>st</sup> and 2<sup>nd</sup> February, 2020.
4. As invited speaker presented a paper on “Climate Change and Agricultural Productivity in India’s Eastern Himalayan Region” in the ICSSR-ERC National Conference on *Challenges of Twenty First Century Management: Technology, Environment and Gender* Organised by Heritage Business School and Durgapur Women’s College on March 29-30, 2019.
5. As Resource Person delivered two lectures on “Cost Effectiveness and Cost Utility Analysis” and “Critical Analysis of a Health Economic Study” in the Workshop on *Health Economics and Outcome Analysis* organised by the Department of Pharmacology, NEIGRIHMS Shillong during 22-23 February, 2019.
6. As Lead Speaker, presented a paper on “Livelihood of the Forest Dwellers and Degradation of Forest Biodiversity: Evidence from Sariska National Park, India” in the National Seminar on *Environmental Issues* held at Vivekananda College for Women, Barisha, Kolkata on 6-7 April, 2018. Also chaired one of the academic sessions in the Seminar.



7. Presented paper on “The Impact of Fiscal Policy Instruments in Reducing Transport Sector Externalities in North East India: An Analytical Review” in the NEEA 19<sup>th</sup> Annual Conference held at NEHU, Shillong on 23-24 March, 2018. Also chaired one of the academic sessions.
8. Presented paper on “Determinants of Urban Housing Demand: An Empirical Investigation in a North-East Indian Town”, in the National Seminar on *Growth of Unplanned Towns and Cities in the North Eastern Region of India: Problems and Alleviation Measures* organized by NEICSSR, Shillong during 20-21 November, 2017. Also chaired one of the academic sessions in the Seminar.
9. Presented paper on “Urbanization and Transportation: A study of Shillong City and its Suburbs”, in the National Seminar on *Growth of Unplanned Towns and Cities in the North Eastern Region of India: Problems and Alleviation Measures* organized by NEICSSR, Shillong during 20-21 November, 2017.
10. Delivered lecture as a distinguished speaker on “Cooperation between ASEAN Countries and North-East India: Opportunities and Challenges” in the conference on “Re-visiting Act East Policy and its catalytic role to strengthen India-ASEAN relationship” - “Kolkata Dialogue 2017”, organized by Indian Chamber of Commerce and Ministry of External Affairs, Government of India at The Oberoi Grand, Kolkata on 11<sup>th</sup> March 2017.
11. Delivered plenary lecture on “Productivity, Diversity and Regional Convergence of Agriculture in Assam, India: Effect of Climate Change” in the UGC sponsored National Seminar on Sustainable Development in India: Issues and Challenges with special reference to NER-India held during 23-24 June, 2017 at Lunding College, Assam.
12. As Keynote Speaker presented a paper on “Factors behind Farmers’ Response to Climate Change, in India's North-East” in the National Conference on Revisiting Rural Development - Dynamics and Discontent,” on 30-31 March, 2017 in Sidho Kanho Birsha University, Purulia, West Bengal. Also acted as a Chairperson of two Sessions in this Seminar.
13. As Resource Person presented a paper on “Role of Road Infrastructure in Agriculture and Rural Development in a Backward Economy” in the National Seminar on *Development Perspectives for India: Emerging Issues and Challenges*, held at Raiganj University, West Bengal on 27<sup>th</sup> March, 2017. Also acted as a Chairperson of a Session in this Seminar.
14. As Keynote Speaker presented a paper on “Microfinance Institution & Economic Empowerment of Women: A Case of Jharkhand State” in the UGC sponsored National Seminar on *Women’s Economic Empowerment and Inclusive Growth*, held at Kavi Nazrul Islam Mahavidyalaya, Churulia, West Bengal on 7-8 March, 2017. Also acted as a Chairperson of a Session in this Seminar.
15. As Resource Person presented a paper on “Scope of Women Empowerment through Self-Help Group in Informal Activities: A Case of Jharkhand” in the UGC sponsored National Seminar on *Globalisation and the Unorganised Sector in India*, held at Jogesh Chandra Chaudhuri College, Kolkata on 6-7 January, 2017. Also acted as a Chairperson of a Session in this Seminar.
16. As Resource Person presented a paper on “Empowerment of Women through Self-Help Group”, in the National seminar on Emerging trends and Challenges of Micro Finance in North-East India held at Department of Management, NEHU Tura Campus, Meghalaya during 24th-25th, November, 2016. Also, as a resource person participated in a Group Discussion on Demonetization in India.

17. Presented a paper on “Environmental Awareness in the Residential Choice in Dimapur Town, Nagaland” (Co-author: V. Vupru) in the National Seminar on Issues and Strategies on Environment and Development in India organized by B.P. Chaliha College, Kamrup, Assam in collaboration with UGC during 27-28 October 2016.
18. Presented a paper on “Self-Help Group as an Alternative for Empowerment of Women” as an invited speaker in the state level workshop on Financial Inclusion and Rural Empowerment in Jharkhand: Issues, Progress and Prospects organized by Indian Statistical Institute Giridih in collaboration with NABARD Jharkhand during 21-22 March 2016.
19. Presented a paper on “Adaptability of Farmers in Assam towards Extreme Climate Effects: An Empirical Investigation” (Co-author: Kamal Bodosa) in the national seminar on Poverty, Inequality and Health in India with special reference to North-East India organized by the Department of Economics, NEHU, during 8-10 October, 2015.
20. Presented a paper on “Performance of Agriculture, Diversity of Crops and the Role of Technology in North-East India” in the 28<sup>th</sup> National Convention of Agricultural Engineers and National Seminar on Rehabilitation and Reclamation of Degraded Land through Cost Effective Bio-Engineering Measures on 30-31 January, 2015 at Shillong by Institute of Engineers (India).
21. Presented a paper on “Regional dimension of Climate Change in Assam and Its Impact on the Productivity of Food grain” in the 46<sup>th</sup> Regional Science Conference and National Seminar on Underdevelopment of the North East Region and the Indian State, organized by the Department of Geography, North-Eastern Hill University, Shillong during 6-8 Nov., 2014.
22. Delivered a lecture on the “Role of Ecotourism in the Conservation of Forest Resources and Bio-diversity and the Rural Livelihood” in the workshop on ‘Assessing Feasibility of Promoting Eco-tourism in Intangki National Park, Nagaland’ organized by the Department of Forests, Ecology, Environment & Wildlife, Nagaland in collaboration with the Regional Centre, National Aforestation & Eco development Board, Shillong on 10<sup>th</sup> March, 2014 in the State Environment & Forestry Training Institute, Dimapur.
23. Presented a paper as **Resource Person** on “Empowerment of Rural People through MGNREGA with Special Emphasis to Women in Morigaon, Assam”, in the UGC Sponsored National Seminar on “*Dynamics of Development and Discontent*” organized by Tufanganj Mahavidyalaya, West Bengal during 27-28, September, 2013.
24. Presented invited paper as **Resource Person** on “Ecotourism as Income Generating Activities” in the Regional Workshop on Prospects of Involving JFMCs in Eco-Tourism as Income Generating Activities/ Livelihood Activities in North-East India organized by RCNAEB during 22-24 August, 2013 at ICSSR Guest House, NEHU, Shillong.
25. Presented a paper as **Resource Person** on “Ethnic Conflict in India and in the North-East India: A Close Look”, in the National Seminar on “Ethnic Violence and Its impacts on Demographics in North Eastern Region” organized by the Department of Statistics, Gauhati University during 16<sup>th</sup> -18<sup>th</sup> February, 2013.
26. Presented a paper as **Resource Person** on “Promote and Strengthen Livelihood for Women: Tourism as an Alternative”, in the Regional Conference on “Women Empowerment – An Instrument for Poverty Reduction” organized by the National Commission for Women of India in collaboration with the Meghalaya State Commission for Women and State Resource Centre for Women on 16<sup>th</sup> November, 2012 at Pine Wood Hotel, Shillong.

27. Participated as **Resource person** and Presented paper on “Globalization, Economic Growth and Human Development: A Cross Country Level Analysis” in the National Seminar on *Human Development in North-East India: Issues and Challenges*, organised by Barbhag College, Assam during 31-08-2012 to 01-09-2012.
28. Presented paper with J. Nongbri on “Expectation of Tourists in Meghalaya and the Effect of Experience on their Visiting Decision” in the National Seminar on *Tourism: Economy and Environment in North-East India*, organised by NEICSSR on 5-6 June, 2012 at Shillong.
29. Presented paper on “Gender-wise Segregation in Tourism and Hospitality Sector: Evidence from Meghalaya” in the National Seminar on *Tourism: Economy and Environment in North-East India*, organised by NEICSSR on 5-6 June, 2012 at Shillong.
30. Presented paper on “Pattern of Livelihood and Dependence on Forest: Some Evidences from Meghalaya” in the National Seminar on *Demographic Transition and Inclusive Development* organized by International Institute for Population Sciences (IIPS), Mumbai, at Indian Statistical Institute, Kolkata during March 15-17, 2012.
31. Participated as **Resource person** and Presented paper on “Infrastructural Growth, Farm Size and Pattern of Crop Diversification across the Districts of West Bengal” in the National Seminar on *The Economy of West Bengal: Future Direction for Development*, organized by Deshabandhu Mahavidyalaya, Chittaranjan, W. B., during 17-18, Feb., 2012.
32. Participated as **Resource person** and Presented a paper on “Justification of Discrimination in favour of Women: A Study of Rural Khasi Society of Meghalaya” on 26-11-2011 in the UGC Sponsored Workshop on *Positive Discrimination* organised by Women’s College, Shillong during 25-26, November, 2011.
33. Presented paper on “Factors affecting Dependence on Forest and Degradation: Evidence from Meghalaya” in the National Conference on *Economic Development of Assam: in the Context of North-East Juxtaposition and Look East Policy* organized by K. K. Handique State Open University, Assam during 13-15, December, 2010.
34. Participated as **Resource person** and Presented paper on “Economic Impact of Coalmining and its Trade in Meghalaya with Special Reference to Jaintia Hills District” in the National Level Biodiversity and Social Security Consultation on *Optimizing Biodiversity and Social Security in Indian Mining Areas*, Organised by Balipara Tract and Frontier Foundation at Balipara, Assam during 2-3 December, 2010.
35. Presented paper with Neelanjan Sen and Bhola Nath Ghosh on “Gender Deprivation in Rural Jharkhand: A Case Study” in the Seventh Conference of IASSH on *Health, Poverty and Human Development*, held at Benaras Hindu University during March 5-7, 2010.
36. Participated and presented a paper on “Livelihood and Quality of Forest: A Case Study in Khasi Hills” in the National Seminar on Conservation of Environment in North East India organized by NEICSSR on 5-6 June, 2009 at Shillong.
37. Participated and presented a paper on “Question of Food Security in North-East India in the Post Globalisation Period” in the Regional Conference on Food Security and Sustainable Development organised by IGNOU in collaboration with Tripura University during November 24-25, 2008.

38. Participated and presented a paper on “Planning Resource Use and Economic Development: Case of Coal and Limestone in Meghalaya” in the National Seminar on Population, Environment and Sustainable Development with Special Reference to North-East India organized by Centre for Adult and Continuing Education, North-Eastern Hill University, Shillong during 11-12 July, 2007.
39. Participated and presented a paper entitled “Population Dynamics and the Demographic Dividend in Meghalaya”, in the National Seminar on Population Dynamics in North-East India during 4-5 June, 2007, organized by NEICSSR at Shillong.
40. Participated and presented a paper entitled “Human Resource and Economic Development: Where Does North-East India Stand?” In the National Seminar on Growth and Human Development in North-East India, organized by the Department of Economics, North-Eastern Hill University, Shillong during 24-25 May, 2007.
41. With B. Ghosh (2007), “Status of Women in Rural Khasi Society of Meghalaya” presented in the National Level Seminar on Gender Issues and Empowerment of Women on the occasion of Platinum Jubilee of Indian Statistical Institute held during 1-2 February; 2007.
42. With B. Ghosh (2006), “Process of Empowerment of Women: A Comparative Study of Tripura and Meghalaya” presented in the National Seminar on Issues of Female Emancipation, Education and Social Development in the Context of North-East India during 5-6 June, 2006 organised by NEICSSR, Shillong in collaboration with Centre for Adult and Continuing Education, North-Eastern Hill University, Shillong.
43. With L. Rout and G. Das (2005), “Dynamics of Coal Extraction in Meghalaya and Its Implication” paper presented in the National Seminar on North East India’s Natural Resource Management with Special reference to Meghalaya on 5<sup>th</sup> June 2005, organized by NEICSSR at Shillong.
44. Participated and presented a paper on “Crop Diversification in North-East India: Alternative options to Farmers of the Region” as a **Resource Person** in the Workshop on “Economic reforms and Indian Agriculture: With Special Reference to the North East India” held at Orchid Lake Restaurant, Barapani, Shillong during 21-24 February, 2005 and organised by Indian Statistical Institute, Kolkata in collaboration with North-Eastern Hill University, Shillong.
45. Participated and presented a paper on “Human Resource Development and the Quality of Environment: Some Basic Issues” in the National Seminar on Human Resource Development in North-East India, held in Agartala during September 18-19, 2004 and organised by Economic Science Society of Tripura in collaboration with State Resource Centre and Department of Analytical and Applied Economics, Tripura University.
46. Participated and presented a paper on “Crop Diversification and Farmer Livelihood Options” in the workshop on “Farmers’ Rights and Livelihood of North Eastern Himalayan Farmers” organised by Consumers Unity & Trust Society and Economics Department of North Eastern Hill University on 7-8 July, 2004 at Shillong.
47. Participated and presented a paper on “Spatio-Temporal Variation in Productivity of Rice in North-East India” in the Seminar Changing Agricultural Scenario in North-East India organized by NEICSSR at Shillong, on 12-13 December, 2003.

48. With M. Bhattacharya, presented a paper on, “Self-help Group in Tripura: Problems and Prospects” in the National Seminar on Rural Indebtedness in North-East India – Pre and Post Liberalisation Scenario, held on 24-25 September, 2003 at the Dibrugarh University, Assam.
49. Participated and presented a paper on, “The Structural change and Industrial progress In North-East India in relation to its condition of Resources” in the Seminar on *Structural Change & Strategy of Development: Resource-Industry Linkages in North Eastern Region*, held on 20-21 March 2003 at the North-Eastern Hill University, Mawkynroh, Shillong and organised by ICSSR-NERC, Shillong.
50. Presented a paper on “Food Security and the Related Issues: Some Reflections on the State of Tripura” in the National Seminar on ‘Working of Targeted Public Distribution System in North Eastern States, organised by the Department of Political Science, North Eastern Hill University, Shillong, on 8-9 Nov., 2002 at Shillong.
51. Presented a paper on “Economic Incentive, Peoples’ Participation and the Management of Forest Land in North-East India” in the Seminar on ‘Issues in Land Use Planning in North-East India’, organised by OKDISCD, Guwahati, in collaboration with the Society for Conflict Analysis and Resolution, New Delhi and North Eastern Hill University, Shillong, on 30-31 Oct., 2002.
52. Presented a paper on “Leadership and the Performance of Panchayats in Rural Development: An Experience from Tripura” at the UGC National Seminar on ‘Transformation in Rural Society’, held at Tufanganj Mahavidyalaya, West Bengal, on 24-25 September, 2002.
53. Presented a paper on “Economic Incentive of Environmental Management - A Study of Forestry in North-East India”, at the Seminar on ‘The Mother Earth’ in the Context of North East India, organised by NEICSSR and sponsored by Directorate of Soil Conservation, Government of Meghalaya held on 5 June, 2002.
54. Presented a paper on “Food Security and Public Distribution System in Tripura – A Policy Intervention” at the National Level Seminar on ‘Food, Nutrition and Food Security – Public Distribution System in North East India’ organised by North-East India Council for Social Science Research from 27 to 28 November, 2000.
55. Paper presented in the seminar on “Family in Tripura”, organised by the Department of A & A Economics, Tripura University and Sponsored by NERC, ICSSR, held on 25-2-95.

**Invited Discussion:**

Participated in a discussion on “India at 70: Challenges overcome and challenges ahead” (with special emphasis on north east) on 12<sup>th</sup> of August 2016 at 3:30 PM at the studios of All India Radio Shillong.

Participated in a discussion on “On Savings and Investments” at All India Radio Shillong on 15<sup>th</sup> December, 2016 at 2.30 pm.

**Invited Lecture:**

1. Delivered an invited lecture on “Econometric Analysis of Climate Change, Agricultural Performance and Farmers' Adaptation with Reference to India's North East” at IIPS, Mumbai at 4.30 PM on 6 May 2019.
2. Delivered an invited lecture on “Crop Diversity Pattern, Regional Convergence and Climate Change Adaptation in North-East India” on 22<sup>nd</sup> January (Tuesday), 2019 at 1:30 PM in Mrinalini Datta Mahavidyapith, Birati, Kolkata.

3. Delivered an invited lecture on “Adaptation and sustainable agricultural practice by small farmers under changing climate: Evidence from India’s North-East”, in the National Seminar on “Land, labour and livelihood: Focus on Development of Marginalised Communities and Social Groups” held at Indian Statistical Institute, Giridih during 30-31 January, 2018. Also, chaired a session in the Seminar.
4. Delivered an invited lecture at the Department of Economics, Comilla University, Bangladesh on 18<sup>th</sup> December 2017 on “Crop Diversity pattern, Regional convergence and climate change adaptation in North-Eastern part of India”.
5. Delivered an invited lecture at Department of Economics, Rajshahi University, Bangladesh on 23<sup>rd</sup> January 2017 on “Adaptation of Farmers to Climate Change through Crop Diversification”
6. Delivered an invited lecture as Resource Person on “Socio-Economic Sustainability in East-Jaintia Hills District in Meghalaya” in a One-day Symposium on Socio-Economic Awareness, Upliftment and Sustainability in East-Jaintia Hills held at St Anthony’s College, Byndihati Campus, Khliehriat, East Jaintia Hills, Meghalaya on 14<sup>th</sup> December, 2016.
7. Delivered an invited lecture on Writing Research Paper in APA style and Research Methodology in Research Methodology Workshop on 25-01-2016 at S. L. Mahavidyalaya, Majdia, West Bengal.
8. Delivered an invited lecture on Farmer’s Adaptation through Cropping Choice under Changing Climate and Sustainable Progress in the Sociological Research Unit, Indian Statistical Institute, Kolkata on 21-01-2016.
9. Deliverer an invited talk on Digital Marketing from an Economist point of view in the Workshop on Digital Marketing Organised by NIELIT Shillong in collaboration with Commerce & Industries Department, Govt of Meghalaya on 14.10.2015 at NIELIT Shillong Campus.
10. Delivered Keynote address on “Economic Growth and Environmental Protection in North-East India” at the National Workshop on "Environmental Resource Management and Sustainable Development" organized by the BKB College, Nagaon, Assam during 7-9 September, 2015.
11. Delivered Keynote address on “Empowerment of Rural Women through MGNREGA in Assam” in the National Seminar on Women and Rural Development organized by the Department of Economics, Bhawanipur Anchalik College, Assam during 7-8 August, 2015.
12. Delivered invited speech as Resource Person on “Use of Statistical Methods and Software (SPSS) in Research” in the National workshop on Use of Statistical Methods in Bio-chemical & Social Science along with Computer Software organised by M. C. College, Barpeta, Assam during 29-30 July, 2015.
13. Delivered invited speech on “Agricultural Diversity and the Progress of Farmers? An Example from North East India” in the Regional Seminar on “Resource Potentiality and Economic Prosperity: Challenges of North Eastern Region” organized by Sngap Syiem College, Mawkyrwat, Meghalaya, during 14-15 May, 2015.
14. Delivered an Invited talk on “Agricultural Productivity, Crop Diversity and Regional Convergence in Assam, India: Effects of Climate Change” in the National Conference on



Agriculture and Rural Development Issues in Eastern India, organised by Indian Statistical Institute, Giridih during 12-13 March, 2015.

15. Presented invited seminar on “Does Agricultural Diversity Always Contribute to the Progress of Farmers? An Example from North East India”, at Indian Statistical Institute, Kolkata on 15-01-2015.
16. Participated as a discussant on the issues “Trade, Finance and Investment” in the Stakeholders’ Consultative Workshop on **The Role of BCIM Economic Corridor in Regional Integration: Perspective from North-East India**, held at Guwahati during 18-19 July 2014. Also, I Chaired a Session on “Sustainable Development” in the workshop.
17. Presented invited lecture on “Ecotourism, its Relevance for Development and Conservation of Bio-diversity and other Natural Resources”, in the state level workshop on Assessing Feasibility of Promoting Eco-tourism in Ntangki National Park of Peren District of Nagaland, organised by the National Afforestation and Eco-Development Board, NEHU at Dimapur during 10-12 March, 2014.
18. Presented invited seminar on “Changing Climate and the Agricultural Scenario of Assam since 1950” at Indian Statistical Institute, Kolkata on 29-01-2014.
19. Presented invited seminar on “Integration of States through Globalisation and Development across the Continents”, at Indian Statistical Institute, Kolkata on 07-02-2013.
20. Delivered invited lectures on “Agricultural Diversification and its Impact” and “Infrastructure, Agricultural Development and Sustainability” at ICAR Research Complex for NEH Region, Barapani, Shillong on 18-08-2011.
21. Delivered invited lectures on “Privatisation and Disinvestment- An Overview” and “Globalisation and Status of Higher Education in India” at Regional training institute, Indian Audit & Accounts Department, Shillong on 6-11-2010.
22. Presented invited seminar on “Problem of Domestic Water Use in a Hill Town”, at Indian Statistical Institute, Kolkata on 29-01-2010.
23. Delivered invited lecture on “Environment Economy Linkage” in Women’s college, Shillong on 5-12-2007.

**Workshop Attended:**

- (i) Participated in the “Sub-regional Workshop on Panchayat” Sponsored by Rajiv Gandhi foundation, New Delhi and organised by Tripura University during January 2 – 4, 1996.
- (ii) Participated in the Orientation Programme for the academic Counselors of MA (Economics) for the NE Region organised by IGNOU, Shillong Regional Centre during 26-27, Nov., 2007.
- (iii) Participated in the Workshop on E-Learning with focus on Educational Internet Domain organised by Centre for Distance Education, NEHU during 18-19, March, 2009.
- (iv) Participated in the Short-Term Course on “Intellectual Property Rights” organised by Academic Staff College, NEHU during 6-7, Sept., 2010.

- (v) Participated in one day National Workshop on “e-Governance” organised by the Computer Centre, NEHU and Department of Electronic & Information Technology, Ministry of Communication & Information Technology, Govt. of India on 9-4-2012.
- (vi) Participated in one day Workshop on “Data Dissemination of Houses, Household Amenities and Assets- 2011 Census” organised by the Directorate of Census Operations, Meghalaya, in collaboration with the Department of Geography, NEHU on 26-07-2012 at Shillong Science Centre, NEHU Campus.
- (vii) Attended the three-day Workshop on “Techniques of Analysis of Demographic and Health Statistics and Application of Computer Software” during 10-10-2012 to 12-10-2012 organised by the Population Study Unit, Indian Statistical Institute, Kolkata.

#### **Consultancy:**

- (i) Offered consultancy project on REDD+ project in Garo Hills of Meghalaya in 2011-12 by the Wildlife Trust of India (WTI), New Delhi.

#### **Commissioned Research Paper Submitted:**

Submitted a commissioned research paper entitled “The Structural change and Industrial progress in North-East India in relation to its condition of Resources” to ICSSR – NERC as a part of the study on “The Structural Change and Strategy of Development: Resource – Industry Linkages in North Eastern Region” initiated by ICSSR – NERC, Shillong.

#### **Workshops Organised as Convener/Co-ordinator:**

- Organised three-week UGC sponsored Refresher Course in economics on “Advancement of Economic Ideas” during 17-06-09 to 07-07-09.
- Organised three-week UGC sponsored Refresher Course in economics on “Recent Approaches to Economic Analysis” during 12-09-11 to 2-10-2011.
- **Organised** five days Research and Writing Workshop in Environmental Economics and Policy sponsored by SANDEE during 28-08-2011 to 01-09-2011.
- **Convener** of the National Seminar on *Tourism: Economy and Environment in North-East India* organised by NEICSSR on 5-6 June, 2012 at Shillong.
- **Convener** of the National Seminar on national seminar on Poverty, Inequality and Health in India with special reference to North-East India organized by the Department of Economics, NEHU, during 8-10 October, 2015.

#### **Member of Editorial Board/Adviser**

- *Annals of Statistical Theory and Applications*, Nigerian Statistical Society, Nigeria (ISSN: 2214-1766 (Online), 1538-7887 (Print)).
- *Journal of Climatology and Weather Forecasting*, Longdom Publishing, Belgium (ISSN: 2332-2594).
- *International Journal of Business Policy and Economics*, Serials Publications, (ISSN: 0973-5801).

#### **Reviewer of Journals:**

- *Economic Analysis and Policy (Elsevier)*, *Global Ecology and Conservation (Elsevier)*, *Applied Economics (Routledge)*, *International Journal of Statistical Sciences (Rajshahi University)*, *Archives of Agronomy and Soil Science (Taylor & Francis)*, *Applied Economics Letters (Taylor*

& Francis), *Journal of Climatology and Weather Forecasting* (Longdom Publishing SL), *International Journal of Environment and Sustainable Development* (Inderscience), *Journal of Development and Agricultural Economics* (Academic), *African Journal of Agricultural Economics*, *Educational Research and Reviews* (Academic), *International Journal of Financial Economic Policy* (Emerald), *Science Journal of Ecology*, *Journal of Agricultural Extension and Rural Development* (Academic), *International Journal of Agricultural Resources* (Inderscience), *Governance and Ecology* (Inderscience), *Arthaniti* (Sage).

#### **Miscellaneous:**

- Organised seminars and popular lectures from time to time in the Department.
- Organised refresher courses for the college and university teachers, workshops/ training programme for the researcher
- Delivered lectures as resource persons in various academic institutions including Colleges, Research institutions, Universities as well as in Programmes organized by NGOs and other organisations on various topics.
- Acted as a member of various academic bodies of the university, colleges and member of evaluation committees of some service commissions.

#### **Other Skills**

**IT:** Competent user of Microsoft Office, SPSS, Eviews and Stata.

**Travel:** Extensively visited countries in Asia and Europe. Interested in cultural exchange, tourism enabled exploration & appreciation of diverse cultures, distinct social practices & varied lifestyles.

**Languages:** Fluent in English, Bengali and conversational Hindi.

**Other:** Active follower of current affairs and keen interest in the global economy.

#### **Some of the Citations of published works of Utpal Kumar De**

1. De, U. K. (2003), “Changing Cropping System in Theory and Practice: An Economic Insight into the Agrarian West Bengal”, *Indian Journal of Agricultural Economics*, 58 (1), January – March, pp. 64–83.

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- (ii) Mallick, M. and J. Lenka (2006), “Agricultural Diversification and Soil & Water Management in Orissa”, in Padmaja Mishra (ed.) *Natural Resources and Economic Development*, Deep & Deep, New Delhi, pp. 94-103.
- (iii) Ghosh, B.K. (2010), “Essence of crop diversification: A study of West Bengal agriculture during 1970-1971 to 2004-2005” *Journal of Development and Agricultural Economics*, 2 (11): 368-381.
- (iv) Ghosh, B. K. (2011), “Essence of crop diversification: A study of West Bengal agriculture”, *Asian Journal of Agricultural Research*, 5(1): 28-44.
- (v) Mandal. S. (2012), “Changing Pattern of Agricultural Practices and Productions in Cooch Behar District, West Bengal”, available at <http://www.aygrt.net/PublishArticles/988.pdf>.
- (vi) Kumar S., K. Barik and D. Prashar (2012), “Cropping and Land Use Pattern in Himachal Pradesh: Case of District Solan”, *International Journal of Current Research and Review*, 4(3): 19-25.

- (vii) De, U. K., & Bodosa, K. (2014). Crop Diversification in Assam and Use of Modern Inputs under Changing Climatic Condition. *Journal of Climatology & Weather Forecasting*, 1-14.
  - (viii) Anwar, D., & Hussain, D. (2015). A Study on the Development of Agriculture and Changing Cropping Pattern. *Journal of Commerce and Trade*, 10(1), 26-35.
  - (ix) Firdaus, G. Changing Cropping Pattern around the Urban Centre: Analyzing the Role of Consumption Pattern of the People. *E3 Journal of Agricultural Research and Development* Vol. 6(3). pp. 056-064, September, 2016 Available online <http://www.e3journals.org>
  - (x) KC, M. B. (2014). *Temporal and Spatial Analysis of Cropping Pattern in Kerala* (Doctoral dissertation, University of Agricultural Sciences GKVK, Bangalore).
  - (xi) Halagundegowda, G., Nagaraja, M., & Meenakshi, H. (2015). Statistical Analysis On Factors Influencing On Shift In Cropping Patterns In Different Agro-Climatic Zones Of Karnataka, *The Bioscan*, 10(3), 1395-1399, 2015 (Supplement on Agronomy).
  - (xii) Show, Samir (2019), Nature and Impact of Crop Diversification by Farm Size: A Micro Level Analysis in Paschim Medinipur District of West Bengal, *International Journal of Research and Analytical Reviews*, 6(2) 251z-259z.
- 2. De, U.K. and M. Chattopadhyay (2010), “Crop diversification by poor peasants and role of infrastructure: evidence from west Bengal”, *Journal of Development and Agricultural Economics*, 2(10): 340-350**

#### *Cited in*

- (i) Firdaus, G. and A. Ahmad (2010) “Exploring Diversity among Farmers in Adoption of Agricultural Innovation and Options for Smallholder Farming System-A Case Study of Ambedkarnager District of UP”, *International Research Journal of Applied and Basic Sciences*, 1(1): 25-36.
- (ii) Tadesse, T. and Daan Ooms (2011) “The role of town functions and network relations on rural household crop output marketing”, Agricultural Economics and Rural Policy Group, Wageningen University, the Netherlands.
- (iii) Miah, M.M. (2012), National Food Policy Capacity Strengthening Programme (NFPCSP), Workshop on ‘Research to Inform Food and Nutrition Security Policies’ 7 and 8 of May 2012, Dhaka, *Compendium of Inception and Interim Reports Volume 4*, Diversification, Efficiency and Support to Farmers Chapter VII, Diversification in Consumption.
- (iv) Bachev, Hrabrin (2012), “Farm diversification and market inclusion in East Europe and Central Asia”, *Institute of Agricultural Economics, Sofia Working Paper*, and Available online at <http://mpra.ub.uni-muenchen.de/38683/>MPRA Paper No. 38683, posted 08. May 2012 / 15:35.
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- (viii) Sarkar, Debashis, Vivekananda Datta, and Kali Sankar Chattopadhyay. "Assessment of Pre and Post Harvest Losses in Rice and Wheat in West Bengal".
- (ix) Roy, Debajit (2015), "Factors Influencing the Extent of Diversification in West Bengal" in Ghosh M., D. Sarkar and BC Roy (Eds.) *Diversification of Agriculture in Eastern India*, Springer India, 167-173.
- (x) Sichoongwe, Kiru, L. Mapemba, D. Ng'ong'ola, G. Tembo (2014), "The determinants and extent of crop diversification among smallholder farmers: A case study of Southern Province", *Zambia*. Vol. 5. Intl Food Policy Res Inst, 2014.
- (xi) Kankwamba, H., M. Mapila and K. Pauw (2012) "Determinants and Spatiotemporal Dimensions of Crop Diversification in Malawi", *Paper No. 2 of 4*, IFPRI Policy Paper.
- (xii) Kumar, C., & Singh, S. P. (2016). Determinants of agricultural land use diversification in eastern and northeastern India. *Journal of Agriculture, Food Systems, and Community Development*, 3(1), 73-98.
- (xiii) Sarkar, N., Dutta, S.K. & Biswas, S.K, (2014). "Cost and Returns of Major Cropping Systems: A Case Study in the District of Burdwan in West Bengal." In SK Datta & A. Sengupta (eds.) *Development, Environment and Sustainable Livelihood*, Cambridge Scholar Publishing, pp. 43-65.
- (xiv) Kankwamba, H., M. ATJ Mapila, & K. Pauw (2014), "Determinants and Spatiotemporal Dimensions of Crop Diversification in Malawi", *Proceedings of the International Workshop on Farm Size Dynamic in East and Southern Africa*, pp 68-105.
- (xv) Sichoongwe, K., Mapemba L., Ng'ong'ola, D., Tembo, G. (2014). The determinants and extent of crop diversification among smallholder farmers: *A case study of Southern Province, Zambia* (Vol. 5). IFPRI Working Paper 05, June 2014.
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- (xlv) Nag, A. (2015). *Crop Farming and Dairying as an Occupation among rural youth in eastern India: an Exploratory study* (Doctoral dissertation, NDRI, Karnal).
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