

Curriculum Vitae

Nirmal Kumar Patra

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I. EDUCATION:

Name of the University	Year of award	Degrees
International Food Policy Research Institute (IFPRI), Washington, DC, USA.	2016	Post Doctoral Research
Bidhan Chandra Agricultural University, India.	2005	Ph.D in Agril. Extension
Bidhan Chandra Agricultural University, India.	2001	M.Sc. (Ag.) in Agril. Extension
Bidhan Chandra Agricultural University, India.	1998	B.Sc. (Ag.) Hons.

II. EXPERIENCE:

Work Experience:

Professor (April 2023- Present), Department of Agricultural Extension, SASRD, Nagaland University, India (Nature of work: Teaching of graduate and post graduate courses, Research & Extension).

Associate Professor (April 2020- April 2023), Department of Agricultural Extension, SASRD, Nagaland University, India (Nature of work: Teaching of graduate and post graduate courses, Research & Extension).

Assistant Professor (September 2007- April 2020), Department of Agricultural Extension, SASRD, Nagaland University, India (Nature of work: Teaching of graduate and post graduate courses, Research & Extension).

Development officer (Pesticide), PI industries Ltd. and BASF India Ltd.,(nature of work: Marketing and Market Development of newly introduced pesticides and agricultural chemicals) (1 year).

Marketing Development Officer: Shree Ram Fertilizers and Chemical: Marketing of Pesticides, Fertilizers and Seeds.

Agricultural Extension Officer; Agricultural Extension work of NGO (1 year). Diffusion and dissemination for adoption of modern farming and livestock practices in tribal communities.

Research Experience:

Post Doctoral Research: (June 2016 – December 2016) at **IFPRI**, Washington, DC, USA. On “**Mapping Indian Agricultural Emissions: Lessons for Food System Transformation and Policy Support for Climate Smart Agriculture.**”

Doctoral Research: (2001-2005) “Extension Management by Agricultural Development Officers of West Bengal, India”.

Master’s Research: (1998-2000) “Study on Socio-Economic & Psychological characteristics of Boro cultivators and Modernization of Boro cultivation”.

Externally Funded Research:

Exercising Authority (PI); Department of Atomic Energy Technologies Display and Dissemination Facility (DTDDF) Centre; Funded by Bhabha Atomic Research Centre (BARC) (Indian Rs. 22.60 lakh); 5 years (July 2016-2022).

Principal Investigator; **Institutional and Policy Process on Climate Change and Formulation of extension Strategy on 'Climate Smart Agriculture' in Nagaland, India**; Indian Council of Agricultural research (ICAR) (Indian Rs. 9.5 lakh) Completed on March 2017.

Co-operating Science (Co-PI); Livelihood Improvement and Empowerment of Rural Poor through Sustainable Farming system{**National Agricultural Innovation Project (NAIP)**}; ICAR (Indian Rs.110 lakh); Duration -2008-2014.

Academic Research (2008-Present):

Supervisor of Ph. D. research work:

- A livelihood study on French bean (*phaseolus vulgaris*) growers of Nagaland, India (Awarded-2020).
- An evaluative study on the performance of IWMP in Nagaland, India (Awarded-2019).
- Prospects and constraints of ginger (*Zingiber officinale* Rosc.) cultivation in Mon and Zunheboto districts of Nagaland (Submitted and waiting for Viva-voce).
- Adaptation strategies of farmers on climate change in Arunachal Pradesh, India (In progress).
- A study on gender, climate change and adaptation strategies of farmers in Nagaland, India (In progress).
- Study on climate change perception and adaptation strategies of potato (*Solanum tuberosum* Linn) growers in Manipur, India

Supervisor of M. Sc. research work (recent):

2024: Study on pest management of Vegetable crops in selected districts of Rajasthan (in progress)

2024: Study on adoption behaviour of vegetable growers in selected districts Rajasthan (In progress)

2024: A study of the status of Rice cultivation in Wokha District, Nagaland.

2023: Adoption behaviour of Rubber growers in selected Districts of Nagaland.

2023: A study on status of potato cultivation in Tawang and Namsani Districts of Arunachal Pradesh.

2023: Perceived influence of climate change on Rice (*Oryza sativa* L.) cultivation in Dimapur District, Nagaland.

2023: Role of homestead garden in nutritional security in selected Districts of Arunachal Pradesh, India.

2022-Study on the status of Tomato cultivation in selected Districts of Nagaland, India.

2022-Study on perception of maize growers on climate change and climate-smart agriculture in Lower Dibang valley District, Arunachal Pradesh, India.

2022-Study on the performance of MOVCD-NER scheme in promotion of organic farming in Champhai District, Mizoram, India.

2021-Study on the status of adoption of improved practices in rice cultivation in Mizoram, India.

2021-Study on socio-economic characteristics and adoption behaviour of maize growers in selected Districts of Nagaland, India.

2019-Study on the status of Mandarin (*Citrus reticulata*) cultivation in Kohima and Wokha districts of Nagaland, India.

2019-Study on the influence of climate change on kiwi cultivation in Lower Subansiri district of Arunachal Pradesh, India.

2019-Study on livelihood features and level of adoption of improved cultivation practices by cardamom (*amomum subulatum*) growers in Zunheboto district, Nagaland, India.

A study on status of agriculture and allied sectors and propose a development strategy for improvement of agriculture and allied sectors of Dimapur district, Nagaland, India.

A study on livelihood features and status of adoption of improved cultivation practices by ginger (*Zingiber officianale* Rosc.) growers in Dimapur district, Nagaland, India.

A Study on Status of Knowledge and Adoption of Technologies in Chow-Chow (*Sechium edule*) by Farmers in Aizawl District of Mizoram, India.

A livelihood study on pineapple [*Ananas comosus* (L.) Merr.] growers in West Siang district of Arunachal Pradesh, India.

A study on status and prospects of kiwi (*actinidia deliciosa*) fruit cultivation in Phek district, Nagaland, India.

A study on status of apple (*Malus domestica*) cultivation and its prospects in West Kameng district, Arunachal Pradesh, India.

Factors influencing King Chilli (*Capsicum spp.*) cultivation in Mon District, Nagaland, India.

Status of Rubber (*Hevea brasiliensis*) cultivation and its prospect in Mokokchung District, Nagaland, India.

Study on factors influencing Mandarin (*Citrus reticulata*) cultivation in Upper Subansiri District of Arunachal Pradesh, India.

Academic research/thesis guiding:

Degree	Thesis Completed/Degree Awarded	Thesis in progress	Total
M. Sc.(Ag)	24	05	31
Ph. D.	03	03	06

Consultancy, Monitoring, Evaluation and Impact Assessment Work:

Monitoring and Evaluation Consultant, Asian Development Bank (ADB) and FREMAA (Flood and River Erosion Management Agency, Assam), “Livelihood Improvement for River Erosion Victims in Assam, India (JFPR 9168-IND),” (Nov, 2014- March, 2016).

Member M&E Team, Support to State Extension programme for extension reforms (**ATMA**), State Nodal Cell of ATMA, Government of Nagaland 2005-2006 to 2014-2015.

Member M&E Team, Support to State Extension programme for extension reforms (**ATMA**), State Nodal Cell of ATMA, Government of Nagaland 2019-2020 to 2020-2021.

Research Supervisor, NREGA Impact Appraisal, Ministry of Rural Development, Govt. of India and UNDP (2009).

Organizing Workshops/Capacity Strengthening programme/Training:

Organised State level workshop on Climate Smart Agriculture at SASRD, Nagaland University (20-21 March 017).

Organised State level workshop on Climate Smart Agriculture at SASRD, Nagaland University (25 March, 2017).

Workshop on Technologies of Bhabha Atomic Research Centre (BARC) for Rural People of Nagaland (7th July 2018).

Workshop on Technologies of Bhabha Atomic Research Centre (BARC) for Rural People of Nagaland (28th July 2018).

Workshop on Technologies of Bhabha Atomic Research Centre (BARC) for Rural People of Nagaland (1st September 2018).

Workshop on Technologies of Bhabha Atomic Research Centre (BARC) for Rural People of Nagaland (16th March 2019).

Workshop on Technologies of Bhabha Atomic Research Centre (BARC) for Rural People of Nagaland (18th May 2019).

Workshop on Technologies of Bhabha Atomic Research Centre (BARC) for Rural People of Nagaland (21st February 2020).

Workshop on Technologies of Bhabha Atomic Research Centre (BARC) for Rural People of Nagaland (29th February 2020).

Workshop on Technologies of Bhabha Atomic Research Centre (BARC) for Rural People of Nagaland (20th March 2021).

Workshop on Technologies of Bhabha Atomic Research Centre (BARC) for Rural People of Nagaland (21st March 2021).

Participation in Training Courses:

1. 'Quantitative Methods for Agricultural Policy Analysis'. At Division of Agricultural Economics, IARI, New Delhi, during 23 January -12 February 2018.
2. 'Monitoring and Evaluation of Climate Mitigation Initiatives (Facilitated)'. The World Bank Group – The open learning campus, 2 November 2016 – 23 November 2016.
3. 'Advances in Methodological Paradigm and Tools in extension Research'. At Division of Agricultural Extension, IARI, New Delhi, during 17 September 2013 -07 October 2013.

Participation in Seminar, Conference:

1. 'National Web-conference on Management of resources for improvement of productivity, biodiversity and livelihood security' held on 29-30th July, 2020.
2. 'National Conference (online) on Transformation of agricultural extension-strategies for effective reformation (TRESERE 2020)' held on 20th-21st August, 2020.
3. 'International Web-Conference on Resource Management and Biodiversity Conservation to Achieve Sustainable Development Goals' held on September 11-12, 2020 (Organized by ANRCM).
4. 'International Web Conference (GRISAAS-2020)' held during 28th-30th December, 2020.
5. International Conference on Climate Change, Biodiversity and Sustainable Agriculture (ICCBSA-2018; 13-16 december, 2018), Assam Agricultural University, Jorhat, Assam, India.
6. XIII Agricultural Science Congress of India- Climate smart Agriculture, University of Agricultural Sciences, Bengaluru, Karnataka, India, February 21-24, 2017.
7. Policy reform, agricultural trade, and economic growth in Myanmar; At IFPRI, Washington, USA, Aug31, 2016.
8. Sustainable Intensification is the Answer to Global Food Insecurity; IFPRI, Washington, USA, Sept 20, 2016.
9. Making Politics Works to Meet the SDGs, IFPRI, Washington, USA, September 28, 2016.
10. Global Social Science Conference-2015; At OUAT, Bhubaneswar, India, February 14-17, 2015.

11. National Seminar on Sustainable Horticulture vis-a-vis changing environment: At SASRD, Nagaland University, India, February 26-28, 2015.

III. AWARD AND APPRECIATION:

- i) Best Oral Presentation Award in International Web Conference (GRISAAS-2020) held during 28th-30th December, 2020.
- i) RAMAN Fellowship for the Post-Doctoral Research in USA by University Grants Commission (UGC), New Delhi, India (2016).
- ii) National Eligibility Test (NET) qualified in the year of 2001 (Organized by ICAR).

IV. AREA OF PROFICIENCY:

Construction of Scale/interview schedule/questionnaire, Survey/research and data collection, Report and research paper writing, Gender study, Diffusion and adoption, diffusion and adoption of technologies in poultry/fishery/crops and vegetables, Climate Change, Climate Smart Agriculture, Institutional and policy research, Research Methodology, M&E work, Development Management, Capacity Building and training, Marketing and Market development, Rural and Agricultural development work, Livelihood improvement/study, Third Sector and NGO.

V. FUTURE RESEARCH INTEREST:

Climate change, climate smart agriculture, Gender study, Policy research, Nutrition security, Environmental social science, application of nuclear science for climate resilient/smart agriculture, institutional and policy research on climate change, M&E work, impact study, development management and livelihood study, diffusion and adoption research, Training and capacity building.

VI. PUBLICATIONS:

Research papers:

International

- N. K. Patra** and T. Rilung, Lalu Das and Pavan Kumar (2024) Assessing climate change and its impact on Kiwi (*Actinidia deliciosa* Chev.) production in the Eastern Himalayan Region of India through a combined approach of people perception and meteorological data. *Theoretical and Applied Climatology*. SpringerNature. <https://doi:10.1007/s00704-023-04793-7>
- N. K. Patra** and Benjongtoshi (2023) "Sustainable performance of French bean (*Phaseolus vulgaris* L.) cultivation, a livelihood component in Eastern Himalayan Region. *International Journal of Agricultural Sustainability*. 21:1, 2247784, <https://doi.org/10.1080/14735903.2023.2247784>
- N. K. Patra** and Suresh Chandra Babu (2023) "Institutional and Policy Processes for 'Climate Smart Agriculture': Evidence from North East India" *Journal of Water and Climate Change* (ISSN 2040-2244 EISSN 2408-9354); <https://doi.10.2166/wcc.2022.024>
- N. K. Patra** and Babu Suresh Chandra (2017) "Mapping Indian Agricultural Emissions: Lessons for Food System Transformation and Policy Support for Climate Smart Agriculture." Available at=www.ifpri.org/publications/discussion_papers
- Patra N. K.** and Babu Suresh Chandra (2020) "Scope and Strategic intervention for Climate Smart Agriculture in North Eastern India". In V. Venkatramanan • Shachi Shah • Ram Prasad (Eds.), Global

National

- N. K. Patra**, M. Pongener, Marensangla, Sashilila Ao and Sanjoy Das (2024) Status of Adoption of Improved Technologies in Farming Sector in Nagaland, India. *Journal of Community Mobilization and Sustainable Development*. Vol. 19 (Special Issue) 166-174. <https://DOI.10.5958/2231-6736.2024.00067.X>
- N. K. Patra** and Vitoka S. Chopi (2023) Knowledge Level and Adoption Behaviour of Maize Growers in Selected Districts of Nagaland, India. *Indian Journal of Extension Education*. Vol. 59 (4): 1-7. 2023. <https://doi.org/10.48165/IJEE.2023.59406>
- N.K. Patra**, Lalthamawii, Rohith G. V. and Sanjoy Das (2023) Socio-economic status of growers and constraints in paddy (*Oryza sativa L*) cultivation: Evidence from Mizoram, India. *Journal of Community Mobilization and Sustainable Development*. Vol. 18(3), September 2023, 1057-1065. <https://DOI.10.5958/2231-6736.2023.00057.1>
- O. C.S. Konyak , Sanjoy Das , **N.K. Patra** (2023) Impact of Nagaland State Rural Livelihood Mission (NSRLM) on Livelihood Status of Women in Nagaland. *Agricultural Reviews*. Vol. 44 (1): 92-99 (March 2023). <https://DOI.10.18805/ag.R-2358>
- Sashilila Ao and **N.K. Patra** (2022) Performance of Integrated Watershed Management Programme (IWMP): A Study from Nagaland, India. *Journal of Community Mobilization and Sustainable Development*. Vol. 17(2), April-June 2022, 685-693.
- N. K. Patra** and Vitoka S. Chopi (2022) Socio-economic Features of Maize (*Zea mays L.*) Growers, Extension Support and Constraints in Maize Cultivation in Nagaland, India. *Journal of Community Mobilization and Sustainable Development*. Vol. 17(2), April-June 2022, 727-634.
- Lalthamawii, **N. K. Patra** and Zohmingmawii Sailo (2022) Knowledge and Adoption Status of Recommended Practices of Rice by Farmers in Mizoram, India. *Indian Research journal of Extn Education*. 22 (3), (91-98). July-September, 2022. https://doi.org/10.54986/irjee/2022/apr_jun/19-98
- N. K. Patra** and L. Lianzami (2021) “Socio-economic status and constraints faced by chow-chow (*Sechiumedule*) growers in Aizawl District, Mizoram, India.” *Journal of Community Mobilization and Sustainable Development*. Vol. 16(2), May-August 2021, 343-350.
- N. K. Patra** and Pelebei-u Kense (2021) “Socio-economic features of mandarin (*Citrus reticulata* Blanco) growers: A case study in Nagaland, India”. *Indian Journal of Extension Education*. Vol. 57, No. 2, 2021 (87-93) <https://DOI:10.5958/2454-552X.2021.00077.3>
- Benjongtoshi and **N. K. Patra** (2021) An assessment of livelihood activities maintained by French bean growers in Nagaland. *International J. of Ext. Educ.* Vol. XVII: 43-49, 2021 ISSN : 2319-7188.
- Benjongtoshi and **N. K. Patra** (2021) “Socio-economic and Livelihood Features of French bean Growers: Evidence from Kiphire District, Nagaland. *Indian Research journal of Extn Education* (ISSN -0972 2181). Vol. 21 (1), (24-29), 2021.
- Mibi Gamlin, **N. K. Patra**, Benjongtoshi and Sanjoy Das (2021) Pineapple (*Ananas comosus L.*) Cultivation- A Sustainable Livelihood Strategy in Arunachal Pradesh, India. *Journal of Community Mobilization and Sustainable Development*. Vol. 16(3), September-December 2021, 933-938.
- N. K. Patra** and Pelebei-u Kense (2020) “Study on Knowledge and adoption of improved cultivation practices of Mandarin (*Citrus reticulata* Blanco) growers in Nagaland, India”. *Indian Journal of Extension Education*. Vol. 56, No. 4, 2020 (126-133). <https://DOI:10.5958/2454-552X.2020.00061.4>

- Benjongtoshi and **N. K. Patra** (2020) "Characterization and Livelihood Features of French Bean Growers: An Evidence from Tuensang District, Nagaland, India". *Indian Journal of Extension Education*. Vol. 56, No. 1, 2020 (100-106).
- Sanjoy Das, Narokumla Longkumer, **N. K. Patra**, Nchumthung Murry and Mukesh Yadav (2020) : Collection and Utilization Pattern of Non Timber Forest Products in Nagaland, an Eastern Himalayan State of India, *Indian Journal of Ecology* (2020) 47(3): 849-853.
- Narokumla Longkumer, Sanjoy Das, A.K. Sahu, **N. K. Patra** and Nchumthung Murry (2020) : Contribution of non timber forest products towards rural income and employment in Mokokchung district of Nagaland, *International Journal of Ecology and Environmental Sciences*, Volume 2, Issue 2, June, 2020.
- N. K. Patra et al.** (2020), Assessing Socio-economic and Modernization Status of Rubber (*Hevea brasiliensis*) Growers: Evidence from Nagaland, North Eastern Himalayan Region, India. *Indian Research journal of Extn Education* (ISSN -0972 2181). Vol. 20 (2&3), April-July, 2020.
- Gamlin M. And **N. K. Patra** (2020) "Crop Based Livelihood Activities of Pineapple Growers and Constraints in its Cultivation: A Study in North Eastern Himalayan Region, India". *Journal of Community mobilization and sustainable development* (ISSN; 2230-9047). Vol 15 (2), 471-478, May-August, 2020.
- N. K. Patra**, Konyak S., Das S., Ao S., Gamlin M. And Sahu A. K. (2019) "Assessing Socio-economic and Modernization Status of King Chilli (*Capsicum spp.*) Growers: Evidence from Nagaland, North East India. *Journal of Community mobilization and sustainable development* (ISSN; 2230-9047. Vol 14(1), 97-103, January-April, 2019.
- N. K. Patra**, Konyak S. Das Sanjoy and Sharma Romen (2019) "Problems in King Chilli (*Capsicum spp.*) Cultivation and Performance of Extension Services in Mon District, Nagaland, India". *Indian Journal of Extension Education*. Vol. 55, No. 4, 2019 (102-109).
- Ao Sashilila and **N. K. Patra** (2019) Constraints and Mitigation Strategies for Smooth Implementation of Integrated Watershed Management Programme: A Lesson from Wokha, Nagaland. *Journal of Community mobilization and sustainable development* (ISSN; 2230-9047). Vol 14 (3),517-522, Sept-Dec, 2019.
- Koza Ade, Sahu A. K., Das Sanjoy, and **N. K. Patra** (2018) "Economics of Cabbage Cultivation and Post-harvest Losses in Phek District of Nagaland." *Economic Affairs*. 2018, Vol. 63, Issue:1: 229-235. <http://dx.doi.org/10.30954/0424-2513.2018.00150.28>
- Ao Sashilila and **N. K. Patra** (2018) "Performance of Integrated Watershed Management Programme (IWMP) in social inclusion in Wokha district of Nagaland, India." *Indian Research journal of Extension Education* (ISSN -0972 2181). Vol. 18 (3), July, 2018.
- Das Sanjoy, Sharma A., Sahu A. K., **N. K. Patra** and Makar A. K. (2018). "Performance of North Eastern Region Community Research Management for Upland Area (NERCORMP) in Assam- A study based on Respondents' perspective". *Journal of Social Sciences*, 54(1-3): 1-11 (2018) <https://DOI:11.258359/KRE-51>
- N. K. Patra** and Makcha, T and *et. al.* (2018) "Study on relationship between socio-economic status and adoption behaviour of mandarin growers of Upper Subansiri District of Arunachal Pradesh, India" *Indian Journal of Extension Education*. Vol. 54, No. 4, 2018, pp 59-68.
- Odyuo M. N., **N. K. Patra** and Makar A. K. (2017) "Management problems in implementing development works as perceived by the NGOs' employees and measures suggested for improvement-A case study in Nagaland, India." *Indian Journal of Extension Education*. Vol. 53, No. 1, 2017, pp 21-17.
- N. K. Patra** and Babu Suresh Chandra (2017) "District Level Emission of Greenhouse Gases from Livestock Sub-sector of India" Poster presentation at XIII Agricultural Science Congress, Bengaluru, India during 21-24 Feb, 2017.

- Das Sanjoy, Sharma A., Sahu A. K., **N. K. Patra** and Makar A. K. (2017) “Forest Based Livelihood Pattern of Tribal Communities in Assam, India.” *Journal of Hill Agriculture*. 8 (4): 455-461, 2017. <https://DOI.10.5958/2230-7338.2017.00089.1>
- Laikangbam B., **N. K. Patra**, S. Das, J. Longkumer, L. Y. Longchar (2016). “Effectiveness of Women SHGs and Constraints in its Functioning in Imphal West District of Manipur, India”. *Environment and Ecology*. Vol 34, No 4B, Oct –Dec 2016 (ISSN: 0970-0420).
- Makcha, T, **N. K. Patra** et al. (2015), “Mandarin (*Citrus reticulata*) a means for Sustainable tribal livelihood of Arunachal Pradesh, India” *Journal of Extension Education*, Vol. XX, No.1, June 2015. (ISSN 0976-8246).
- Ezung R, Longkumer J, Longchar L.Y, **N. K. Patra** et al. (2015) “Extent of women’s participation in jhum cultivation in Wokha Distric, Nagaland”, *Research Journal of Agricultural Sciences*, Vol. 6 (special), December 2015, (ISSN 0976-1467).
- Ao Sashilila, Longchar L. Y., **N. K. Patra** and J.Longkumer (2015) “Indigenous Knowledge for Management of Rice Pests in Nagaland, India”, *Research Journal of Agricultural Sciences*, Vol. 6 (special), December 2015, (ISSN 0976-1467).
- Ngullie C., Das Sanjoy, **N. K. Patra**, Sahu A. K. and Makar A. K. (2015) “ Extent of Awareness and Adoption Level of Technologies by the Beneficiaries of Agricultural Technology Management Agency (ATMA) Programme in Dimapur District of Nagaland, India”, *The Andhra Agricultural Journal*, Vol. 62 (3): 699-706, (ISSN 0003-2956).
- N. K. Patra** et. al. (2015) “Indicators of Effective Management of Development Work by Non Government Organizations in Nagaland, India.” *International journal of Extension Education*. Vol. XI pp 90-100.
- Ngullie, C., Das., S., **N. K. Patra**, Sahu, A. K., and Makar, A. K. (2014) “Performance of Agricultural Technology Management Agency (ATMA) in the State of Nagaland, India”, *Journal of Interacademia*, Vol. 18/1 pp 117-127, (ISSN: 0971-9016).
- Odyuo M. N., **N. K. Patra** et al (2014) “Prioritization of developmental activities by the Non-Governmental Organizations (NGOs) in Nagaland, India” *Journal of Rural development* Vol. 33, No. 2 pp 133-145 (ISSN 0970-3357).
- N. K. Patra** et. al. (2014) “Strategy for Prevention of HIV/AIDS and Drug Abuse Problems by Non-Government Organizations in Nagaland, India” *Journal of Rural development, April-June 2015* (ISSN 0970-3357).
- Likanbum Bhusan, **N. K. Patra** et al. (2013) “Socio-demographic status of women SHG members in Manipur, India” *Journal of Extension Education*, Vol. XVII, No. 1, 2012 (ISSN 0976-8246).
- N. K. Patra** et al (2012) “Status of Non-Governmental Organizations and their involvement in developmental activities in Nagaland, India”, *International NGO Journal* Vol-6/7 2012; pp 39-45, (ISSN 1993-5228).
- N. K. Patra** et al (2011) “Prioritization of extension activities for development work by the Non-Governmental Organizations (NGOs) in Nagaland, India,. *South Asian Journal of Socio-Political Studies* Voll.XII No.1, 44-47 (ISSN 0972-4613).
- Odyuo, M. N., **N. K. Patra** et al (2011) “Livestock development and Extension strategy by NGOs in Nagaland, India”, *Journal of Interacademia*, Vol. 15/4 2011pp 696-705, (ISSN: 0971-9016).
- N. K. Patra** and Mondal Sagar (2007), “Socio personal characteristics and status of training of Agricultural development Officers in West Bengal”, *Journal of Interacademia*, Vol. 11, Jan. 2007, No.1, pp 99-105. (ISSN: 0971-9016).
- Mondal, S., **N. K. Patra** and Bondyopadhyay, A. (2005) “Competency of Krishi Prayukti Sahayaks (KPSs) in performing agricultural extension activities as perceived by the Agricultural Development Officers (ADOs) of West Bengal”, *Bangladesh Journal of Training and Development, Bangladesh Agricultural University*. Vol. 18 No. 1&2, 21-26.(ISSN: 1013-0306).
- N. K. Patra** et al (2004) “Modernizing Boro cultivation a prediction from socio-economic and Psychological Predictors”, *Environment and Ecology*, Vol.22.Nos.3, pp64-65. (ISSN: 0970-0420).

N. K. Patra et al (2003) “Identification and Documentation of traditional knowledge-based medicine of tribal people”, *Journal of Interacademia*, Vol. 7, Apr. 3, 2003, No.1, pp pp202-205. (ISSN: 0971-9016).

Book Chapters:

Patra N. K. and Babu Suresh Chandra (2021) “Agribusiness Management of Fisheries in West Bengal: A Case Study”. In (Eds) *Global Agribusiness Case Studies*” (Accepted).

Patra N. K. (2020) “Institutional and Policy Process on Climate Change and Formulation of Extension Strategy on Climate-Smart Agriculture in Nagaland”. In (Eds.) *Agricultural Extension: Socio-economic Imperatives*. Agricultural Extension Division, ICAR, New Delhi, 2020.

Odyuo, M. N., **Patra, N. K.**, Das, S. and Longchar, L. Y. (2015) “Influence of Demonstration and Exposure trip for Development of Beneficiaries by NGOs in Nagaland, India”. Mondal, R. K. (ed.), *Poverty Inequality and Food Security* (ISBN: 93-5056-710-5).

Odyuo, M. N., **Patra, N. K.**, Das, S. and Longchar, L. Y. (2015) Pattern of use of training programme for human resource development by Non Government Organizations in Nagaland, India”. Mondal, R. K. (ed.), *Poverty Inequality and Food Security* (ISBN: 93-5056-710-5).

Patra N. K. et al (2012) “Meat Consumption Pattern Among Major Tribes in Nagaland, India”. B. K. Mishra(ed.) *Livestock Production and Rural Development in India*, Biotech Books, pp 307-322, (ISBN: 978-81-7622-2440).

Mondal Sagar and **Patra N. K.** et al (2006) “Indicators of effective management of Agricultural Extension in west Bengal”. M.M. Adhikari et. al. (eds.) *Value addition and Quality issues in agriculturae and allied areas: techniques and challenges*; Agrotech publishing Academy, Udaipur, India, pp460-464, (ISBN: 8183210414).

Books:

Odyuo N Mary, **N. K. Patra** and Longkumer J. (2023) *Development Management by Non-Governmental Organizations*. Raghav Publication, New Delhi, ISBN: 978-93-93655-23-3.

Patra N. K. et. al. (2010) “Administration, Management and Governance in Agriculture: the Changing faces”, Agrotech publishing Academy, Udaipur, India, ISBN: 978-81-8321-165-9.

Technical reports:

Report on PRA; Annual report (2007-08; Annual report (2008-09) of NAIP (National Agricultural Innovation Project) Research Project on “Livelihood Improvement and Empowerment of Rural Poor through Sustainable Farming System.”

Third Party Monitoring and evaluation report of extension reforms programme (popularly known as ATMA) of Nagaland, for the year 2005-2006; 2006-2007; 2008-2009; 2009-2010; 2010-2011; 2011-2012; 2012-2013 and 2013-2014.

Impact appraisal of National Rural Employment Guarantee Act (NREGA) in Nagaland, 2009.

Final Report of Research Project on Institutional and policy process on climate change and formulation of extension strategy on CSA in Nagaland, India (2017).

VII. LANGUAGES:

English, Reading, writing and speaking- very good

Bengali, Reading, writing and speaking- excellent

Hindi, Reading and speaking- very good

Nagamese, writing and speaking- very good