

Anirban Mukherjee

ARS, Scientist
Agricultural Extension



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Profile

Anirban Mukherjee, Scientist, Agricultural Extension, ICAR-RCER, Patna joined ICAR in July 2013 and still then associated several ICAR funded projects externally funded projects. He has ten years of Research experience. Earlier in M.Sc. worked on private Extension approach and currently continuing PhD programme on prospects of Farmers producer company. He has been associated with research since last seven years and Developed 1 index, 2 Knowledge test batteries, 2 scales and published 8 papers, 8 popular articles and 5 book chapters. His research has been recognized and awarded as 2 best poster and 1 best paper in national seminars. Received young scientist award in 2016, and 2017. In the year 2020 He received **Jawaharlal Neheru Award** for P.G. outstanding Doctoral Thesis Research in Agriculture and Allied Sciences 2019 for Social Science by Indian Council of Agricultural Research.

Areas of specialization and interest: *ICT, methodological intervention, convergence, social impact assessment, climate change and Farmers Organization.*

Educational Qualification

Exam passed	Institution	Board/University	Subject/ Specialization	% Scored
Doctors of Philosophy (Pursuing) <i>Temporarily dropped</i>	Indian Agricultural Research Institute, New Delhi	Indian Agricultural Research Institute	Agricultural Extension, (Major) Agricultural Economics, Environmental Sciences	86.00

M.Sc. (Post Graduation) 2011	Indian Agricultural Research Institute, New Delhi	Indian Agricultural Research Institute	Agricultural Extension,(Major) Agricultural Statistics	86.80
B.Sc. (Graduation) 2009	<i>Uttar Banga Krishi Viswavidyalaya, Cooch Behar</i>	<i>Uttar Banga Krishi Viswavidyalaya, West Bengal</i>	Agriculture	80.03
Higher Secondary 2005	<i>Sudarsanpur Dwarika Prasad Uchha Vidyachakra, Raiganj, Uttar Dinajpur</i>	West Bengal Council of Higher Secondary Education	Language Physics, Chemistry Maths, Biology	75.90
Secondary 2003	<i>Sudarsanpur Dwarika Prasad Uchha Vidyachakra, Raiganj, Uttar Dinajpur</i>	West Bengal Board of Secondary Education	Language Science India & her people	85.00

9. Professional work experience and achievements (in chronological order):

(i) Awards/ Honours /Scholarships

Year	Achievements
Fellowships	
2012	1st Rank in ICAR-Senior Research Fellowship (SRF), in Agricultural Extension in 2011-12.
2011	Recipient of UGC-JRF Fellowship , New Delhi for Ph. D research work for the Academic Session 2011-2014.
2011	1st Rank in All India Entrance Examination for Ph.D. in Agricultural Extension in Indian Agricultural Research Institute (IARI), New Delhi. Recipient of Institutional merit fellowship from IARI, New Delhi for Ph. D research work for the Academic Session 2011-2014.
2011	1st Rank in All India Entrance Examination for Ph.D. in Agricultural Extension in National Dairy Research Institute (NDRI), Karnal, Haryana.
2009	6th Rank in All India Entrance Examination for Admission in Master's Degree Programme (Indian Council Agricultural Research- J.R.F.)
2005-2009	Recipient of University Merit Scholarship during B. Sc. (Agriculture) degree programme
Awards	
2020	Awarded Jawaharlal Neheru Award for P.G. outstanding Doctoral Thesis Research in Agriculture and Allied Sciences 2019 for Social Science by Indian Council of Agricultural Research on July 16, 2020.
2020	Awarded Outstanding Research Scholar Award for Ph.D. on the occasion of 9 th national seminar on "Doubling farmer income by 2022: Challenges, Opportunities and Way Forward" by Society for Community Mobilization for Sustainable Development (MOBILIZATION), New Delhi, February 15-17, 2020.
2017	Received Young Scientist Award

	By Indian Society of Extension Education in recognition of outstanding work done in the field of extension research and field extension services, in the ISEE National Seminar -2017 on “Doubling Farmers, Income and Farm Production through Skill Development and Technology Application” Held at Bihar Agricultural University, Sabour, Bhagalpur, Bihar, November 28-30. 2017.
2016	Received Young Scientist Award by Society for Scientific development in Agriculture and Technology, for outstanding contribution in the field of Agricultural Extension on the occasion of National Conference on Innovative and Current Advances In Agriculture and Allied Sciences (ICAAAS-2016) during 10-11 December, 2016 held at Prof. Jayashankar Telangana State Agricultural University, Rajendranagar, Hyderabad (Telangana)
2021	Received Best Oral Presentation Award for the paper <i>FPO as potential model for potato marketing and export in Eastern India in International Potato e-Conference 23-26 November 2021</i> at ICAR-CPRI, Shimla, H.P. Anirban Mukherjee, D.K. Singh, K. Pradhan, Kumari Shubha, Ujjwal Kumar and Ramnath K Ray
2016	Received Best Paper Presentation Award for: Mukherjee, A., Singh, P., Burman R. R., Satyapriya, Nikam, V., 2016. Farmers Producer company: Current status, challenges and prospects. ISEE National Seminar, Information and Communication Management Concerning Climate Smart Agriculture for Sustainable Development and Poverty Alleviation. RVSKVV Gwalior, November 28-30, 2016.
2016	Received Best Poster Award for poster: Roy, M.L., Kharbikar, H.L., Mukherjee, A. and Chandra, N. 2016. Factors determining economic motivation and risk bearing ability of hill farmers influencing their marketing behaviour. <i>In: Technical Compendium of National Conference on Hill Agriculture in Perspective (HAP-2016)</i> held at GBPUA&T, Pantnagar during 26-28 February, 2016. pp 379-380.
2011	Received Best Poster Award for poster: Mukherjee, A., Bahal, R., Roy Burman, R., Dubey,S.K., and Jha. G.K. (2011). Effectiveness of Tata Kisan Sansar in Technology Advisory and Delivery Services in Uttar Pradesh. 6 th National Extension Education Congress -2011 held from December 17-19, 2011 at ICAR Research Complex for Goa, Goa
Editorial board member/ reviewer of journal	
2014 onward	<u>Regular reviewer of the following journals:</u> <ul style="list-style-type: none"> • Current Science • Journal of Human Ecology • African Journal of Agricultural Research • Indian Research Journal of Extension education • Journal of Community Mobilization for Sustainable Development • Asian Journal of Agricultural Extension Economics & Sociology
(ii) NET	
2010	UGC NET (June, 2011) qualified in Adult and Continuing Education

2012	ICAR (Indian Council Agricultural Research) – NET (February, 2012) qualified in Agricultural Extension
(iii) ARS	
2012	ICAR (Indian Council Agricultural Research) – ARS (Agricultural Research Service) (February, 2012) qualified in Agricultural Extension.

(iv) Research/ Teaching/ Training/ Extension/ Administrative management experience

Research experience	
	<i>Principal Investigator</i>
	<i>Co-Principal Investigator</i>
2019 December to November 2022	<i>Principal Investigator:</i> Development and Validation of Needbased Technology Delivery Model through FPO in Eastern Region of India (ICAR-National Agricultural Science Fund)
2018 September-2022 April	<i>Principal Investigator:</i> Status of Food and Nutritional Security of Farm Household in Eastern India (Indian Council of Agricultural Research)
August 2020 to July 2022	<i>Co-Principal Investigator</i> BT Biotech KISAN Hub Project for Seven Aspirational districts of Jharkhand and Bihar (DBT, GOI)
August 2019 to July 2021	<i>Co-Principal Investigator:</i> Establishment of Biotech-KISAN Hub at ICAR- Research Complex for Eastern Region, Patna (DBT, GOI)
2018 August to June 2021	<i>Co-Principal Investigator:</i> Scalingup Climate Smart Agriculture through Climate Smart Village in Bihar (NAFCC, Ministry of Environment, GOI)
2016 April to 2018 July	<i>Co-Principal Investigator:</i> National Mission For Himalayan Sustainability (Ministry of Environment, GOI)
2015 to 2018 July	<i>Co-Principal Investigator:</i> National Mission For Sustainable Himalayan Ecosystem (Department of Science and Technology)
2014 to 2018 July	<i>Co-Principal Investigator:</i> Study on socioeconomic aspects of Hill Farming and Extension Methods (Indian Council of Agricultural Research)
2014 to 2016	<i>Co-Principal Investigator:</i> Information Communication Technology and Knowledge Management in Agriculture (Indian Council of Agricultural Research)
2014 to 2018 July	<i>Associate:</i> AICRP water conservation (Indian Council of Agricultural Research)
2013 to 2014	Approved institute pilot experiment on “Economic Assessment of Quality Protein Maize in India: a case of HQPM1”
2009 to 2011	Completed M.Sc. thesis entitled “ <i>Private Agricultural Technology Delivery System: An Analytical Study on Tata Kisan Sansar in Uttar Pradesh</i> ”
2008-09	Rural Farm Work Experience (RFWE) for 6 months at Paschim Singijani of District Cooch Behar, West Bengal.

Training/seminar/workshop attended

Successfully completed AgMOOCS eight week on line course on Agricultural Value Chain

Management with Distinction offered by IIT Kanpur, Technology and Knowledge Management British Columbia, Canada during 22 nd January 2017 to 19 th March 2017.
Attended 4 days Capacity building programme on methodologies in agriculture extension research, jointly organized by IFPRI and ICAR at NASC Complex New Delhi from 21 st September to 24 th September 2015.
Attended National Programme on Technology Enhanced Learning (NPTEL) workshop organized by IIT Madras from 21-23 August 2014.
Attended one day Sensitization Workshop on Internet Protocol Version 6 on 27 February, 2014, NASC complex, New Delhi.
Attended ICAR-ICRISAT Training programme on Adoption and Impact assessment of Research and development projects, 27-30 November at ICRISAT, Hyderabad.
Attended three months institute attachment training at NCAP from 11 th Oct 2013 to 11 th February 2014.
Attended 98 th Foundation Course of Agricultural Research Services (FOCARS) from 1 st July-31 st September 2013 at NAARM, Hyderabad.
Attended Training on life skill at IARI
Completed 6 th months course in Information Technology Application with ' Grade A ' from Youth Computer Training Centre, Govt. of West Bengal.
<u>Training Conducted</u>
<u>21 days training</u>
Coordinated 21 days institute HRD training on "Relevant Statistical and Data Analysis Techniques in Advance Agricultural Research" from 1-21 February 2016 to scientist colleagues of ICAR-VPKAS Almora.
<u>5 days training</u>
Coordinated five days farmers training on Training programme on improved production technologies for Rabi crops from 11-15 December 2015 funded by DFO, Rudraprayag to 30 farmers of Champawat district of Uttarakhand along with Mr. Tilak Mondal.
<u>3 days training</u>
Coordinated three days farmers training on Training on Vegetable Production, from 26-28 May 2015, funded by ILSP, Bageshwar to 30 farmers of Bageshwar district of Uttarakhand along with Dr. N.K Hedau
Coordinated three days farmers training on improved production technology of hill crops from 25-27 February, 2016 funded by GRAMYA-2, Pithoragarh, Uttarakhand along with Dr. Venkteshan. M.
Coordinated training on organic farming.....
<u>2 days training</u>
Coordinated two days farmers training on Vegetable cultivation and conservation agriculture from 9-10 July 2015 funded by DHO, Nainital to 30 farmers of Nainital district of Uttarakhand

along with Dr. N.K Hedau
Coordinated two days farmers training on improved production technology of hill crops from 22-23 February, 2016 funded by ATMA, Rudrapryag, Uttarakhand along with Dr. V.S. Meena.
Coordinated two days farmers training on improved production technology of hill crops from 22-23 February, 2016 funded by ATMA, Tehri Garwal, Uttarakhand along with Dr. V.S. Meena.
Exposure Visits
Coordinated farmers exposure visit of 20 farmers on 25 th February, 2016 funded by CAO, Rudraprayag, Uttarakhand along with Dr. V.S. Meena.
Coordinated farmers exposure visit of 20 farmers on 27 th February, 2016 funded by CAO, Rudraprayag, Uttarakhand along with Dr. V.S. Meena.
Membership of Professional Societies/ Bodies
<ul style="list-style-type: none"> • Life member of “Society of Agricultural Extension Education, Agra, India • Life member of “Society for community mobilization for sustainable development, New Delhi, India • Life member of “Society of Human Resource and Innovation” • Life member of “Society for Scientific Development in Agriculture and Technology” • Life member of “Indian Society of Extension Education, New Delhi, India • Life member of Indian Academy of Horticultural Science (IAHS)
Leadership
<ul style="list-style-type: none"> • Served as Class Representative of M. Sc 2nd year for the year 2010-2011 in Indian Agricultural Research Institute, New Delhi. • Served as Alumni Representative in Student Union for the year 2011-2012 in Indian Agricultural Research Institute, New Delhi. • Served as Cultural Secretary at Division of Agricultural Extension for the year 2011-2012 in Indian Agricultural Research Institute, New Delhi. • Served as Secretary, Cultural Committee, 98th FOCARS at NAARM Hyderabad during 1st July to 31st September 2013.
Publications
Research Papers
Mukherjee A , Chandra N, Karbikar HL, Roy ML, Atheequllah GA, Joshi P, Jethi R 2021. Impact Assessment of Farmer Training on Scaling up of Vegetable Productivity in Kumaun Hills of Uttarakhand. <i>Indian Journal of Extension Education</i> . 57(2):1-7. DOI: 10.5958/2454-552X.2021.00049.9 (NAAS- 5.95)
Mukherjee A , Roy ML, Joshi P, Jethi R, Chandra N, Atheequllah GA and Karbikar HL 2021. Effectiveness of Training Programme for Changing Farmers’ Perceived Behavior Towards Adoption of Improved Agricultural Practices. <i>Journal of Community Mobilization and Sustainable Development</i> , 16(3): 661-667. (NAAS- 5.90)
Atheequlla GA, Mukherjee A , Roy ML, and Roy ML 2021. Mobile Based Agro Advisory Service and Farmer’s Willingness to Pay: A Case Study in Bageshwar District of Uttarakhand.

<i>Journal of Community Mobilization and Sustainable Development</i> , 16(3): 976-986. (NAAS-5.90)
Paul P, Singh NU, Mukherjee A , Tengli MB, Sinha PK, Gowda CH, Roy A, Yumnam A, Kandpal BK 2021. Strategy for ensuring small farmers income security through Farmer Producers Organizations in North-East India. <i>Indian Journal of Hill Farming</i> . 34 Special Issue: 201-209. (NAAS- 5.04)
Shubha K, Dhar S, Maity A, Raman R K, & Mukherjee A (2021). Influence of leaf architecture on morpho-phenological and yield related traits of garden pea. <i>Indian Journal of Horticulture</i> , 78(2), 155-162. (NAAS- 6.13)
Mukherjee A , Singh P, Satyapriya, Maity A, Shubha K, and Burman RR. 2020. Enhancing livelihood security of dairy farmers through farmers' producer company: a diagnostic study of Bundelkhand region. <i>Range Management and Agroforestry</i> , 41(1): 156-167. (NAAS- 6.28)
Mukherjee A , Singh P, Satyapriya, Rakshit S, Burman RR, Shubha K, and Kumar S. 2020. Assessment of livelihood wellbeing and empowerment of hill women through Farmers Producer Organization: A case of women based Producer Company in Uttarakhand. <i>Indian Journal of Agricultural Sciences</i> , 90(8), 1474-1481. (NAAS- 6.21)
Mukherjee A , Singh P, Shubha K, and Burman RR. 2019. Facilitating and hindering factors affecting growth and functioning of farmers producer companies in India. <i>Indian Journal of Extension Education</i> , 55(4): 14-20. (It was published in 2020) (NAAS- 5.95)
Kharbikar HL, Roy ML, Joshi P, Mukherjee A , Atheequlla GA and Chandra N. 2020. Economic empowerment of small, marginal and landless farmers through value addition in button mushroom (<i>Agaricus Bisporus</i>): A success story from Almora district of Uttarakhand. <i>International Journal of Advanced Research and Review</i> , 5(5): 123-130.
Kumar U, Raman RK, Kumar A, Singh DK, Mukherjee A , Singh J and Bhatt BP. 2020. Return migration of labours in Bihar due to COVID-19: status and strategies of deployment in agricultural sector. <i>Journal of Community Mobilization and Sustainable Development</i> , 15(1): 192-200. (NAAS- 5.67)
Shubha K, Singh NR, Mukherjee A , Maity A, and Dubey R. 2020. Controlled traffic farming: an approach to minimize soil compaction and environmental impact on vegetable and other crops. <i>Current Science</i> , 119(11):1760-1766. (NAAS- 6.73)
Shubha K, Dhar S, Maity A, Raman R K, & Mukherjee A (2021). Influence of leaf architecture on morpho-phenological and yield related traits of garden pea. <i>Indian Journal of Horticulture</i> , 78(2), 155-162. (NAAS- 6.13)
Meena, V.S., Mondal, T., Pandey, B.M., Mukherjee, A. , Yadav, R.P., Choudhary, M., Singh, S., Bisht, J.K., Pattanayak, A. (2018). Land use changes: Strategies to improve soil carbon and nitrogen storage pattern in the mid-Himalaya ecosystem, India, <i>Geoderma</i> , 321, 69-78.
Mukherjee A , Singh P, Rakshit S, Satyapriya, Burman R.R, Shubha K Sinha K and Nikam V (2019) Effectiveness of Poultry Based Farmers Producer Organization and Its Impact on Livelihood Enhancement of Rural Women. <i>Indian Journal of Animal Sciences</i> 89 (10): 1152-1160.
Mukherjee A , Singh P, Burman R.R, Satyapriya, Shubha K and Roy M.L (2019). Development of Test to Measure Knowledge Level of Farmers Producer Organization members about Improved Hill Agricultural Practices. <i>Journal of Community Mobilization and Sustainable Development</i> Vol. 14(1), 57-64
Lamichaney, A., Chettri, P. K., Mukherjee, A. , Maity, A., & Kumari, Shubha. (2019). Indigenous methods of grain storage followed by the Lepcha and Limbo tribes in the Himalayan tract of Sikkim. <i>Indian Journal of Traditional Knowledge (IJTK)</i> , 18(4), 769-774.

Kharbikar, H. L., Roy, M. L., Joshi, P., Mukherjee, A. , Atheequlla G.A. and Chandra N. (2020). Economic empowerment of small, marginal and landless farmers through value addition in button mushroom (<i>Agaricus Bisporus</i>): A success story from Almora district of Uttarakhand. <i>International Journal of Advanced Research and Review</i> 5(5): 123-130.
Jethi, R., Roy, M.L., Mukherjee, A. , Chandra, N., and Joshi, P. 2019. Knowledge Level of Vegetable Growing Farmers in Hills of Uttarakhand: A Comparative Study, <i>TECHNOFAME- A Journal of Multidisciplinary Advance Research</i> . Vol.8 No. 2, 01-08.
Mukherjee, A. , Singh, P., Ray, M., Satyapriya, Burman, R.R (2018). Enhancing farmers income through farmers' producers companies in India: Status and roadmap. <i>Indian Journal of Agricultural Sciences</i> . 88(8): 1151–61.
Mukherjee, A. , Singh, P., Satyapriya, Rakshit, S., Burman, R.R (2018). Development and Standerdization of Scale to Measure Farmers Attitude Towards Farmers Producer Company. <i>Indian Journal of Extension Education</i> . 54(4) 84-90.
Mukherjee, A. , Joshi, K., Pal, R. S., Atheequlla, G. A., Roy, M. L., & Chandra, N. (2018). Scientific health benefits of Namakeen Chai /Jya (salted tea): A traditional tea beverage of Bhotiya tribal community in higher altitudes of Uttarakhand. <i>Indian Journal of Traditional Knowledge</i> , 17(2), 365-369.
Mukherjee, A. , Mondal, T., Bisht, J. K. and Pattanayak, A. (2018). Farmers' preference of fodder trees in mid hills of Uttarakhand: a comprehensive ranking using analytical hierarchy process. <i>Range Mgmt. & Agroforestry</i> 39 (1) : 115-120.
Chandra, N., Roy, M.L., Mukherjee, A. , Jethi, R. and Joshi, K. (2018) A Study of Migration Pattern in Kumaun Hills and Associated Socio-Economic Factors. <i>Journal of Community Mobilization and Sustainable Development</i> . 13(1), 107-112.
Kumar, S., Roy, M.L., Mukherjee, A. (2018) Marketing Behaviour of Vegetable Growers in Uttarakhand hills. <i>Journal of Community Mobilization and Sustainable Development</i> . 13(1), 68-74.
Sinha, K., Panwar, S., Wasi, A., Singh, K.N., Gurung, B., Paul, R.K. & Mukherjee, A. (2018) Pric Volatolity Spillover of Indian Onion Markets: A comparative Study. <i>Indian Journal of Agriculture Sciences</i> . 88 (1): 114-120.
Kumar, P., Lal, K., Mukherjee, A. , Pradhan, U.K., Ray, M., and Prakash, O. (2018) Advanced row-column designs for animal feed experiments. <i>The Indian journal of Animal Sciences</i> . 88 (4) 499-503.
Roy, M.L., Mukherjee, A. , Chandra, N., Jethi, R., Kharbikar H.L. (2018) Information and Communication Technology for Dissemination of Agricultural Information in Hills: A Critical Overview. <i>Indian Journal of Extension Education</i> Vol. 54, No. 3, 2018 (19-25).
Rathod, S., Singh, K. N., Arya, P., Ray, M., Mukherjee, A. , Sinha, K., Kumar, P. and Shekhawat, R. S. (2017). Forecasting maize yield using ARIMA-Genetic Algorithm approach. <i>Outlook on Agriculture</i> , 46(4), 265-271.
Chandra N., Kharbikar, H.L., Roy, M. L. and Mukherjee A. (2017) Evaluation of various irrigation methods and improved water conservation practices in Hills of Uttarakhand in India. <i>International Journal of Tropical Agriculture</i> . 35 (3), 567-574.
N. K. Singh, Sahu R.P. and Mukherjee A. (2016) A Case Study of Backyard Poultry Farming in Bageshwar District of Uttarakhand. <i>TECHNOFAME- A Journal of Multidisciplinary Advance Research</i> .Vol.5 (1), 95-98.
Mukherjee, A. , Maity A. (2015) Public–private partnership for convergence of extension services in Indian agriculture. <i>Current Science</i> . 109 (9):1557-1563
Mukherjee, A. (2015) Prioritization of Problems in Integrated Agriculture: A Case of Rampur Village in Sub Humid Region of Eastern India. <i>Indian Res. J. Ext. Edu.</i> 15 (1): 53-59.
Maity. A., Mukherjee, A. , Pramanik. P., and Shubha (2013) Shifting towards vegetable

cultivation from that of rice in <i>Purba Medinipur</i> district of West Bengal. <i>BIOINFOLET – A Quarterly Journal of Life Sciences</i> . 10 (3a): 876-878.
Mukherjee, A. , Bahal, R., Roy Burman, R., and Dubey,S.K.(2012). Conceptual Convergence of Pluralistic Extension at Aligarh District of Uttar Pradesh. <i>Journal Of Community Mobilization and Sustainable Development</i> . Jan-July 2012. 7 (1&2): 85-94.
Mukherjee, A. , Bahal, R., Roy Burman, R., Dubey,S.K., and Jha. G.K. (2012). Constraints in Privatized Agricultural Technology Delivery System of Tata Kisan Sansar. <i>Journal of Global Communication</i> . 5 (2): 155-159.
Mukherjee, A. , Bahal, R., Roy Burman, R., and Dubey,S.K. (2012). Factors Contributing Farmers' Association in Tata Kisan Sansar: A Critical Analysis. <i>Indian Research Journal of Extension Education</i> . 12 (2): 81-86.
Mukherjee, A. , Bahal, R., Roy Burman, R., Dubey,S.K., and Jha. G.K. (2011). Effectiveness of Tata Kisan Sansar in Technology Advisory and Delivery Services in Uttar Pradesh. <i>Indian Research Journal of Extension Education</i> . 11 (3): 8-13.
Lead Papers
Singh. P., Mukherjee, A. , Satyapriya (2016) Farmers Producers Organization for Gender empowerment. ISEE National Seminar, Information and Communication Management Concerning Climate Smart Agriculture for Sustainable Development and Poverty Alleviation. RVSKVV Gwalior, November 28-30, 2016. Page 53-60.
Popular articles
Mukherjee, A. and Maity, A. (2017) My village my pride: A concept towards better India. <i>Indian Farming</i> . 66 (6): 2-5.
Mukherjee A , Kumar U, Shubha K and Anand S. 2020. Implications of COVID-19 on agriculture in eastern region. <i>Food and Scientific Reports</i> , 1(5): 63-66.
Mukherjee A , Singh P, Anand S and Kumar U. 2020. Women empowerment through farmers producers organization. <i>Food and Scientific Reports</i> , 1(2): 9-14.
Shubha K, Mukherjee A , Anand S, Koley TK and Kumar U. 2020. Nutri-garden for achieving sustainable development goals (SDGs). <i>Food and Scientific Reports</i> . 1(1): 25-27.
Shubha K, Mukherjee A , Anand S, Koley TK, Kumar U. 2020. Nutrigarden se aay (income). <i>Phal-Phool</i> , Nov.-Dec. 35-37.
Shubha K, Mukherjee A , Kumar U, Mishra JS. 2020. Vegetable based nutri-garden for household food and nutrition security. <i>Indian Horticulture</i> , Jan– Feb. 35-36.
Shubha K, Reetu S. Anand and Mukherjee A . 2020. Broccoli: a potential functional food. <i>Food and Scientific Reports</i> , 1(5): 26-28.
Paul P, Tengli, MB, Mukherjee A , Singh NU and Roy A. 2020. Supply chain management: trust and technology. <i>Food and Scientific Reports</i> , 1(9): 47-49.
Singh DK, Kumar U, Mukherjee A and Kumar R. 2020. <i>Digital India karykram me krishi yojnaye</i> . <i>Fasal Kranti</i> , 7(6): 34-37.
Tamta M, Shubha K, Kumar S, Dubey AK, Kumar R and Mukherjee A . 2020. Overview of changing climate and need of climate smart technologies to sustain agriculture in EIGP. <i>Food and Scientific Reports</i> , 1(5): 15-19.
Yadav VK, Mukherjee A , Kumar U, Pan RS, Chakrabarti A and Sarkar PK. 2020. Farmers producer organizations: boon for farmers. <i>Udhyaniki Krishi</i> , 13(4): 3-6.
Yadav VK, Mukherjee A , Kumar U, Pan RS, Chakrabarti A, Sarkar PK. 2020. Farmers producer organizations: boon for small and marginal Farmers, <i>Agriculture & Food: e-Newsletter</i> , 10 (2): 7-10.
Mukherjee A , Kumar U, Shubha K and Anand S. 2020. Implications of COVID-19 on

agriculture in eastern region. Food and Scientific Reports, 1(5): 63-66.
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Shubha K, Mukherjee A , Anand S, Koley TK and Kumar U. 2020. Nutri-garden for achieving sustainable development goals (SDGs). Food and Scientific Reports. 1(1): 25-27.
Shubha K, Mukherjee A , Anand S, Koley TK, Kumar U. 2020. Nutrigarden se aay (income). Phal-Phool, Nov.-Dec. 35-37.
Shubha K, Mukherjee A , Kumar U, Mishra JS. 2020. Vegetable based nutri-garden for household food and nutrition security. Indian Horticulture, Jan– Feb. 35-36.
Shubha K, Reetu S. Anand and Mukherjee A . 2020. Broccoli: a potential functional food. Food and Scientific Reports, 1(5): 26-28.
Paul P, Tengli, MB, Mukherjee A , Singh NU and Roy A. 2020. Supply chain management: trust and technology. Food and Scientific Reports, 1(9): 47-49.
Singh DK, Kumar U, Mukherjee A and Kumar R. 2020. <i>Digital India karykram me krishi yojnaye</i> . Fasal Kranti, 7(6): 34-37.
Tamta M, Shubha K, Kumar S, Dubey AK, Kumar R and Mukherjee A . 2020. Overview of changing climate and need of climate smart technologies to sustain agriculture in EIGP. Food and Scientific Reports, 1(5): 15-19.
Yadav VK, Mukherjee A , Kumar U, Pan RS, Chakrabarti A and Sarkar PK. 2020. Farmers producer organizations: boon for farmers. Udhyaniki Krishi, 13(4): 3-6.
Yadav VK, Mukherjee A , Kumar U, Pan RS, Chakrabarti A, Sarkar PK. 2020. Farmers producer organizations: boon for small and marginal Farmers, Agriculture & Food: e-Newsletter, 10 (2): 7-10.
Joshi, P., Sharma, N., Raksha, Mahra, G.S. and Mukherjee, A. (2017) Social Media in Agriculture: A new paradigm for Extension and Advisory services. <i>Indian Farmers' Digest</i> . March 2017.pp 4-7.
Nag, A., Mukherjee, A. and Shubha, K. (2017) Use of Social Media in Information Communication in Agriculture. <i>Indian Farmers' Digest</i> . March 2017.pp 23-26.
Mukherjee. A Chakraborty D and Shubha K: (2017): Community Composting- a step towards clean India Movement. <i>Indian Farming</i> . 67(3): 33-34.
Mondal, T., Debnath, S., Mukherjee A and Pachauri, S.P. (2015) Neem Based Botanicals Pesticides and its Potential utilization. <i>Indian Farmers' Digest</i> . August. 36-39.
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