


Biodata Performa of Scientific Staff for Institute website.

	
Personal Information	
Name	: Dr. Meraj Alam Ansari
Designation	: Senior Scientist
Email	: Meraj.icar@icar.gov.in
Telephone (Office)	:
Mobile No.	: 9089654323
Qualification	: Ph. D.
Discipline and specialization	: Discipline: Agronomy Specialization: Ecosystem services estimation and valuation, organic farming, integrated farming systems, resource conservation technologies
Training/ advance exposure (5-6 lines only)	: Development of the framework and methodologies for the estimation and valuation of the natural, produced, social and human capital
Professional Information	
Major Contributions	: <ul style="list-style-type: none"> • Estimated and accounted the natural, produced, social and human capital • Designing and development of the resource efficient integrated farming systems • Developed efficient biomass management recycling practices for eastern himalayayas • Designed energy and resource efficient cropping system and land management practices • Designed sustainable intensification of organic cropping system to improve land productive capacity • Coordinated TEEB-UNEP project, CSuCESS and ACASA project (Modipuram) as PI to design the framework for the accounting of ecosystem services and climate resilient adaptation strategies • Coordinated and contributed with multidisciplinary mega projects like NICRA, NMSHE, ICAR-ICARDA-DAC collaborative project, DBT project etc. and other ICAR multi-institutional project in NEH Region
Current area of research	: <ul style="list-style-type: none"> • Restoration and accounting of ecosystem services • Climate resilient integrated farming systems • Resource efficient cropping system • Resource conservation technologies • Improvement of the land productive capacity through organic farming

Major Publications (10) :	<ol style="list-style-type: none"> 1. Ansari M.A., Saha, S., Das, A., Lal, R., Das, B., Choudhury, B.U., Roy, S.S., Sharma, S.K., Singh, I.M., Meitei, C.B., Changloi, K.L., Singh, L.S., Singh, N.A., Saraswat, P.K., Ramakrishna, Y., Singh, D., Hazarika, S., Punitha, P., Sandhu, S. K., Prakash, N. 2021. Energy and carbon budgeting of traditional land use change with groundnut-based cropping system for environmental quality, resilient soil health and farmers income in eastern Indian Himalayas. <i>Journal of Environmental Management</i>. 293: 112892. https://doi.org/10.1016/j.jenvman.2021.112892. 2. Ansari, M.A., Choudhury B. U., Mandal S. Jat S.L., Meitei Ch Bungbungcha. 2022. Converting primary forests to cultivated lands: Long-term effects on the vertical distribution of soil carbon and biological activity in the foothills of Eastern Himalaya. <i>Journal of Environmental Management</i>. 301: 113886. https://doi.org/10.1016/j.jenvman.2021.113886. 3. Ansari, M.A., Choudhury, B. U., Layek, J., Das, A., Lal, R., Mishra, V.K. 2022. Green manuring and crop residue management: effect on soil organic carbon stock, aggregation, and system productivity in the foothills of Eastern Himalaya (India). <i>Soil & Tillage Research</i>. 218: 105318. https://doi.org/10.1016/j.still.2022.105318. 4. Kshetri P, Roy SS, Chanu SB, Singh TS, Tamreihao K, Sharma SK, Ansari M.A. and Prakash N. 2020. Valorization of chicken feather waste into bioactive keratin hydrolysate by a newly purified keratinase from Bacillus sp. RCM-SSR-102. <i>Journal of Environmental Management</i>. 273: 111195. https://doi.org/10.1016/j.jenvman.2020.111195. 5. Ansari MA*, Ravisankar N, Ansari MH, Babu S, Layek J and Panwar AS. 2023. Integrating conservation agriculture with intensive crop diversification in the maize-based organic system: impact on sustaining food and nutritional security. <i>Frontiers in Nutrition</i>. 10:1137247. https://doi.org/10.3389/fnut.2023.1137247. 6. Ansari M.A.*, Babu S., Choudhary J., Ravisankar N. and Panwar A.S. 2022. Soil quality restoration and yield stabilization in acidic soils of northeastern Himalayas: Five years impact of green manuring and crop residue management. <i>Frontiers in Environmental Science</i>. 10:940349. Pp: 1-18. https://doi.org/10.3389/fenvs.2022.940349. 7. Ansari M.A.*, Ravisankar N., Shamim M., Rani M., Prusty A.K., Singh R., Raghavendra K.J., Joshi H., Kumar S., Panwar A.S. and Kumar M. 2024. Accounting of carbon sequestration and tradeoff under various climatic scenarios in alternative agricultural system: a comprehensive framework toward carbon neutrality. <i>Frontiers in Sustainable Food Systems</i>, 8:1371255. https://doi.org/10.3389/fsufs.2024.1371255. 8. Panwar, A.S., Ansari, M.A.*, Ravisankar, N., Babu, S., Prusty, A.K., Ghasal, P.C., Choudhary, J., Shamim, M., Singh, R., Raghavendra, K.J., Dutta, D., Meena, A.L., Chauhan, G.V., Ansari, M.H., Singh, R., Aulakh, C.S., Singh, D.K. Sharma, P.B. 2022. Effect of organic farming on the restoration of soil quality, ecosystem services, and productivity in rice–wheat agroecosystems. <i>Front. Environ. Sci.</i> 10:972394. https://doi.org/10.3389/fenvs.2022.972394.
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	<p>9. Babu, S., Singh, R., Avasthe, R., Kumar, S., Rathore, S.S., Singh, V.K., Ansari, M.A., Valente, D., Petrosillo, I. 2023. Soil carbon dynamics under organic farming: Impact of tillage and cropping diversity. <i>Ecological Indicators</i>, 147, 109940. https://doi.org/10.1016/j.ecolind.2023.109940.</p> <p>10. Ravisankar, N., Ansari, M.A.*, Shamim, M., Prusty, A.K., Singh, R., Panwar, A.S., Dutta, D., Bhaskar, S., Bindhu, J.S., Sanjay, M.T., Kaur, J., Varghese, C., Dash, S., Bhowmik, A., Bal., S.K. 2022. Sustainable livelihood security of small farmers improved through resilient farming systems in the Semi-Arid Region of India. <i>Land Degradation & Development</i>. https://doi.org/10.1002/ldr.4358.</p>
<p>Awards and Fellowships (ICAR/Recognition society awards)</p>	<p>Awards and Fellowship</p> <ol style="list-style-type: none"> 1. Swami Sahajanand Saraswati Outstanding Extension Scientist Award-2019 by ICAR, New Delhi 2. ICAR-Fakhruddin Ali Ahmad Award-2017 by ICAR, New Delhi 3. Dr. D N Borththakur Award for Outstanding Research in Hill Farming System by ICAR RC for NEH Region. 4. IPI-FAI Award for promoting of balanced fertilizers use with emphasis on Potassium-2021 by FAI, New Delhi 5. Mosaic Young Scientist Award-2022 by Mosaic India Pvt. Ltd. Gurugram, Haryana 6. ISA Dr P S Deshmukh Young Agronomist Award-2020 by Indian Society of Agronomy, New Delhi 7. ISA Associateship-2021, Indian Society of Agronomy, New Delhi 8. IAHF Young Scientist Award-2020 by Indian Association of Hill Farming, Umiam, Meghalaya 9. IAHF Best Extensionist Award-2016 by Indian Association of Hill Farming, Umiam, Meghalaya 10. Best Institute Scientist Award-2014 by ICAR Research Complex for NEH Region, Umiam, Meghalaya 11. Best Young Scientist Award-2023 by ICAR-IIFSR, Modipuram