Name	Abhishek Jangir	
Date of Birth	04.09.1989	
Designation	Sr. Scientist (Soil Science)	
Qualification	Ph.D. (Soil Science)	
E-mail id	abhishekjangir1988@gmail.com Abhishek.Jangir@icar.org.in	

Educational Qualifications

- Ph.D. (Soil Science), ICAR-Indian Agricultural Research Institute, New Delhi
- M.Sc. (Soil Science) from GBPUA&T, Pantnagar, Uttarakhand
- B.Sc. (Ag.) from MPKV, Rahuri, Maharashtra

Professional Experience

Position	Institute	Period
Scientist	NAARM, Hyderabad	01.01.2015 – 01.04.2015
Scientist	ICAR-NBSS&LUP, Nagpur	10.04.2015 – 31.12.2019
Scientist (Sr. Scale)	ICAR-NBSS&LUP, Nagpur	01.01.2020 – 28.02.2021
Scientist (Sr. Scale)	ICAR-NBSS&LUP, RC, Udaipur	01.03.2021 – 19.01.2026
Sr. Scientist	ICAR-NBSS&LUP, RC, Udaipur	20.01.2026 – till date

Research Areas

- Soil Survey and Mapping
- Soil Quality
- Carbon Sequestration
- Digital Soil Mapping

International Experience

- Nil

Awards

- Outstanding Young Scientist Award of NBSS&LUP, Nagpur for the year 2019-20.
- DST Inspire Fellowship, 2014
- ICAR – Junior Research Fellowship, 2011
- ICAR- National Talent Scholarship, 2007-2011

Honours/Recognitions

- Nil

Ten Best Research Papers along with NAAS rating-2022

- **Jangir, A.,** Nogiya, M., Yadav, B., Malav, L.C., Moharana, P.C., Meena, R.L., Sharma, R.P., Tiwari, G., Dash, B., Naitam, R., Vasu, D., Mina, B.L. & Patil, N.G. (2026). Regional-scale predictive mapping of soil organic carbon in South Gujarat, India using machine learning algorithms. Environmental Monitoring and Assessment, 198(4), 325. https://doi.org/10.1007/s10661-026-15158-8. **(NAAS: 9.0)**
- **Jangir, A**., Kumar, S., Kharia, S.K., Jangra, P., Ray, P., Sudhakara, N.R., Meena, M.C., Tiwari, G., Singh, A.K. Mishra, G., & Francaviglia, R. (2024). Impact of land use Change on Carbon Management Index- A Study from the Foothills of Western Himalayas. Journal of Soil Science and Plant Nutrition, 24(4), 7801-7816. https://doi.org/10.1007/s42729-024-02076-2 **(NAAS: 9.90)**
- Vasu, D., Tiwary, P., Sharma, R. P., Tiwari, G., Dash, B., Naitam, R., **Jangir, A.,** &

Sahoo, S. (2026). Factors controlling soil organic and inorganic carbon vary with depth in a land use-climosequence. Soil and Tillage Research, 263, 107292. https://doi.org/10.1016/j.still.2026.107292. **(NAAS: 14.4)**

- Mishra, G., Giri, K., **Jangir, A.,** & Francaviglia, R. (2020). Projected trends of soil organic carbon stocks in Meghalaya state of Northeast Himalayas, India. Implications for a policy perspective. *Science of the Total Environment*. 698: 134266. https://doi.org/10.1016/j.scitotenv.2019.134266. **(NAAS: 16.37)**
- Mishra, G., Sulieman, M. M., Kaya, F., Francaviglia, R., Keshavarzi, A., Bakhshandeh, E., Loum, M., **Jangir, A.,** Ahmed, I., Elmobarak, A., Basher, A., & Rawat, D. (2022). Machine learning for cation exchange capacity prediction in different land uses. Catena, 216, 106404. **(NAAS: 12.37)**
- Vasu, D., Tiwari, G., Sahoo, S., Dash, B., **Jangir, A.,** Sharma, R.P., Naitam, R., Tiwary, P., Karthikeyan, K., & Chandran, P. (2020). A minimum data set of soil morphological properties for quantifying soil quality in coastal agroecosystems. Catena, p.105042. **(NAAS: 12.37)**
- Yadav, B., Malav, L.C., **Jangir, A.,** Kharia, S. K., Singh, S.V., Yeasin, M., Nogiya, M., Meena, R.L., Meena, R.S., Tailor, B.L., Mina, B.L., Alhar, M.S.O., Jeon, B., Marina M.S.C., & Yadav. K.K. (2023). Application of analytical hierarchical process, multi-influencing factor, and geospatial techniques for groundwater potential zonation in a semi-arid region of western India. Journal of Contaminant Hydrology, 253 (2023) 104122. https://doi.org/10.1016/j.jconhyd.2022.104122. **(NAAS: 10.18)**
- Chandran, P., Vasu, D., Tiwary, P., Karthikeyan, K., **Jangir, A.,** Tiwari, G., Paul, R. & Das, K. (2021). Identifying soil quality indicators for two contrasting agro-ecological sub-regions of India. Archives of Agronomy and Soil Science, 1-15. **(NAAS: 9.09)**
- Sharma, R.P., Chattaraj, S., Vasu, D., Karthikeyan, K., Tiwary, P., Naitam, R.K., Dash, B., Tiwari, G., **Jangir, A.,** Daripa, A., Singh, S.K. 2020. Spatial variability assessment of soil fertility in black soils of central India using geostatistical modeling. Archives of Agronomy and Soil Science, pp.1-13. **(NAAS: 9.09)**
- Mishra, G., **Jangir, A.,** Francaviglia, R. 2019. Modeling soil organic carbon dynamics under shifting cultivation and forests using Rothc model. *Ecological Modelling*. 396: 33-41. **(NAAS: 9.51)**
- Sharma, R. P., Chattaraj, S., **Jangir, A.,** Tiwari, G., Dash, B., Daripa, A., Naitam, R. K. 2022. Geospatial variability mapping of soil nutrients for site specific input optimization in a part of Central India. Agronomy Journal. https://doi.org/10.1002/agj2.21025. **(NAAS: 8.65)**

Total Publications (Peer-reviewed journals only)

International: 18

National: 14

Research/technical bulletins: 11

Google Scholar link: https://scholar.google.com/citations?user=gEFMYHIAAAAJ&hl=en

Research Gate link: https://www.researchgate.net/profile/Abhishek-Jangir-2