

BRIEF PROFILE



Name of the Scientist	Dr. Anindita Paul
Designation	Scientist
Date of birth	23 rd December, 1992
Date of joining in ICAR	02 nd July, 2018
E-mail	aninditapaul20@gmail.com , anindita.paul@icar.gov.in
Telephone No. (office)	-
Mobile No.	9643260697
Educational Qualification	Ph.D. (Agricultural Chemicals, ICAR-IARI)
Discipline	Agricultural Chemicals
Service particulars	• Scientist (2018 to 2023) • Scientist Senior Scale (2023 to till date) • Principal Scientist (.)
Areas of expertise for consultancy purpose (Three points)	• Nutraceuticals, Phytochemicals • Analytical Chemistry • Pesticide residue analysis
Research Publications (Best 10 papers published in scientific journals with NAAS rating)	1. Paul A, Dutta A, Kundu A, Ghosh A., Chawla G., Saha S. (2024) Adsorption-guided purification of rose petal anthocyanins, <i>Biomass Conversion and Biorefinery</i>, doi.: https://doi.org/10.1007/s13399-024-06331-5, NAAS rating: 10.18 (2024) 2. Paul A, Khan Z, Bhattacharyya A, Majumder S, Banerjee K (2021) Multiclass pesticide residue analysis in tobacco (<i>Nicotiana tabacum</i>) using high performance liquid chromatography-high resolution (Orbitrap) mass spectrometry: A simultaneous screening and quantitative method. <i>Journal of Chromatography A</i>, 1648: 462208, doi.: https://doi.org/10.1016/j.chroma.2021.462208 NAAS rating: 10.05 (2021) SCOPUS Cite Score: 6.9 3. Ghosh R., Majumder S., Bhattacharyya A., Paul A., Khan Z., Ray D.P., Chattopadhyay S.N., Pardeshi A., Shakyawar D.B., Banerjee K (2021) Introducing a low-cost jute activated carbon as a novel cleanup agent in multiclass pesticide residue analysis using gas chromatography tandem mass spectrometry. <i>Journal of Cleaner Production</i>, doi: https://doi.org/10.1016/j.jclepro.2021.128696 NAAS rating: 17.07(2023) SCOPUS Cite Score: 13.1 4. Paul A, Dutta A, Kundu A, Singh S. B., Banerjee K., Saha S. (2022) Response surface methodology driven ultrasonic-assisted extraction of ellagitannins from pomegranate rind: optimization of parameters and in silico molecular interaction with catalase, <i>Biomass Conversion and Biorefinery</i>, doi.: https://doi.org/10.1007/s13399-022-03396-y NAAS rating: 10.99 (2022) SCOPUS Cite Score: 5.6

	5. Paul A, Dutta A, Kundu A and Saha S. (2023) Resin assisted purification of anthocyanin and their encapsulation, <i>Journal of Chemical Education</i>, 100 (2) 885–892 doi: https://doi.org/10.1021/acs.jchemed.2c00918 NAAS rating: 9.028 (2023) 6. Majumder S., Mandal S., Majumder S., Paul A., Paul T., Sahana N, and Mondal P (2021) A liquid chromatographic method for determination of acetamiprid and buprofezin residues and their dissipation kinetics in paddy matrices and soil. <i>Environmental Science and Pollution Research</i>, , 29(1):1401-1412 doi.: https://doi.org/10.1007/s11356-021-15784-4. NAAS rating:9.06(2021) SCOPUS Cite Score: 5.5 7. Paul A, Banerjee K, Goon A, Saha S (2018) Chemo-profiling of bioactive constituents present in pomegranate aril and seed grown in Indian condition and its bioaccessibility study. <i>Journal of Food Science and Technology</i>, 55 (7): 2488–2496. NAAS rating: 7.95 (2021) SCOPUS Cite Score: 3.8 8. Paul A, Sarkar R, Yadav D.K., Koli, P., Kundu, A and Saha S. (2023) Characterization of Nanocomposites for Curcumin, <i>Handbook of Nanoencapsulation</i>, doi: 10.1201/9781003259183-5, CRC Press, eBook, Taylor and Francis publisher, ISBN: 9781003259183 9. Anindita Paul Sujan Majumder and Satyapriya Singh, Bio pesticide: A paradigm shift of pesticide development in India (2022) <i>Food and Scientific Reports</i>, Vol -3(6) 22-25,ISSN 2582-5437 10. Anindita Paul, Sujan Majumder, Satyapriya Singh and Pratap A Divekar, Recent trends in botanical pesticides (2022) <i>Indian Farming</i> Vol -72(03) 22-24, ISSN 0019-4786 11. Saha A, Singh J, Paul A, Sarkar R (2019) Anthocyanin profiling: usefulness of LC-UV and LC-MS. <i>Journal of AOAC International</i>, 103 (1) 23-39 NAAS rating: 7.51 (2021) SCOPUS Cite Score: 2.7 12. Paul A., Sheshu Madhav M., Prasad L.K. , Sreedhar U., Majumder Sujan, Johnson N and Rao C. Chandrasekhara. (2024) Indian scenario of pesticide residues on tobacco and its way forward towards precise detection in compliance to trade. <i>Tobacco Research</i> 49 (1) 37-54, ISSN 0379 - 055X, NAAS rating: 3.71 13. Abhinay , Sharad Sharma, Arvind Kumar, Rohit Kumar, Anindita Paul*, Jaydeep Halder and Sujan Majumder (2025) Ecological Risks of Chlorantraniliprole Residues in the Brinjal Cultivated Soil. <i>Journal of Experimental Agriculture International</i>,47 (3) 357-366 NAAS rating: 5.14 (2025) –corresponding author,
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Awards/ Honours/ Recognitions	• Best Poster Presenter Award in 7th Horticultural Congress 2017 organized on 15-17th November 2016, IARI, New Delhi. • Shortlisted and Presented for Indian Science Congress Association Young Scientist's Award (ISCA-YSA) in 104th Indian Science Congress hosted by SV University, Tirupati from 3-7 January 2017. • Presented Gold Medal Presentation at 55th Convocation in Significant Post-Graduate Students' Research (6th February, 2017), IARI, New Delhi. • Best Poster Presenter Award in XVth National Symposium on Tobacco organized on 19-21st July 2019, ICAR-CTRI Rajahmundry • NASI - Springer Best Paper Award in 89th Annual Session of The National Academy of Sciences India and Symposium on "Science and Technology based Entrepreneurship Development", 21-23 December 2019 held at ICAR-NAARM, Hyderabad • ICAR technology certificate award on 16.07.2024 as a lead developer on the technology entitled "A simultaneous screening and quantitative novel method for the multiresidue analysis of pesticides in tobacco using ultra-high-performance liquid chromatography-high resolution (Orbitrap) mass spectrometry" • CORESTA Congress: Received DST sponsored International Travel Grant Support (ITS) to participate <u>oral presentation</u> in CORESTA Congress 2024 (13-17th October, 2024), Edinburgh, Scotland, United Kingdom
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