

RESUMÉ

Dr. Anand Sharma
M.Sc., Ph.D. (Botany)

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Career objective

To contribute to the growth and development of an organization in an effective and skillful manner and learn new ideas through innovative working system



Education

- Ph.D. in Botany
Thesis title: "Antinutritional factors as influenced by processing parameters during the production of some traditional legume-based fermented foods of India" from North Bengal University, West Bengal, India
- M.Sc. in Botany (Special Paper - Microbiology) from North Bengal University, West Bengal, India
- B.Sc. in Botany (Honours) from Post-Graduate Department of Botany, Darjeeling Government College under North Bengal University
- Higher Secondary from Saint Alphonsus Higher Secondary School, Kurseong under West Bengal Council of Higher Secondary Education, West Bengal, India
- Madhyamik Pariksha from Saint Alphonsus Higher Secondary School, Kurseong under West Bengal Board of Secondary Education

Additional qualification

- Qualified State Eligibility Test (SET) conducted by the West Bengal College Service Commission for the post of Assistant Professor & Librarian of Colleges & Universities

Teaching experience

- Assistant Professor, Department of Botany, Asansol Girls' College from 19th December, 2023 to till date
- Assistant Professor, Department of Botany, Shri Ramasamy Memorial University Sikkim, India from July 12, 2018 to December 18, 2023

- Guest faculty, Department of Botany, Parimal Mitra Smriti Mahavidalaya (West Bengal Govt. aided Degree College) under West Bengal College Service Commission affiliated to North Bengal University from August 24, 2017 to August 8, 2018
- Guest faculty, Department of Tea Science, North Bengal University from October 13, 2017 to July 18, 2018
- Post-Graduate Teacher (PGT) in Horticulture, vocational stream at Government Senior Secondary School, Sang, East Sikkim under Human Resource Development Department (HRDD), Govt. of Sikkim from April, 2006 to July, 2008

Professional Experience

- Convener, Institution's Innovation Council (IIC), SRM University Sikkim since 23rd January, 2021 to 18th December, 2023
- Head of the Department (HOD), Department of Botany, SRM University Sikkim from August 2, 2018 to November 17, 2020
- Member of Internal Quality Assurance Cell (IQAC) committee of a SRM University Sikkim from 2019 to November 17, 2020
- Member of Board of studies (BOS) for undergraduate (UG) from 2018- 2023
- Member of Board of studies (BOS) for Post graduates (PG) studies from 2021- 2023
- Member of Technical Support Group (TSG) to guide the Biodiversity Management Communities (BMC) and their activities under Sikkim Biodiversity Board, Forest and Environment Department, Government of Sikkim since June 19, 2020 to till date

Research experience

Funded research Project

- Co-Principal Investigator (Co-PI): Studies on traditional ethnomedicinal practices for Alzheimer's disease and other dementia by the indigenous tribal populations in Sikkim- An ethnopharmacological approach funded by ICMR-North East Seed Grant scheme, New Delhi.
Funding agency: Indian Council of Medical Research (ICMR), New Delhi
- Principal Investigator (PI): Study of the symbiotic relationship among the various fruiting bodies from different Lichen species found in Sikkim
Funding agency: Research Cell, SRM University Sikkim
- UGC-SAP, Special Assistance Program (DRS-II & DRS-III), Department of Botany, North Bengal University, Siliguri from August, 2008 to August, 2017

Selected Journal Publications

- 1) Gouri Das, **Anand Sharma** and Prabir K Sarkar (2022). Conventional and emerging processing techniques for the post-harvest reduction of antinutrients in edible legumes. *Applied Food Research*, 2(1), 100112.
ISSN 2772-5022; DOI:10.1016/j.afres.2022.100112
Publisher: Elsevier Ltd., Academic Press
Indexing- Scopus
- 2) **Anand Sharma** (2021). A review on traditional technology and safety challenges with regard to antinutrients in legume foods. *Journal of Food Science and Technology*, 58(8), 2863–2883.
ISSN 0022-1155 (print); 0975-8402 (online); DOI:10.1007/s13197-020-04883-8
PMID: 34294949; PMCID: PMC8249542
Impact Factor (Thomson Reuters) = 3.8 (2022)
Publisher: Springer Nature, Scientific Publisher
Indexing- Scopus, UGC-CARE List (India)
- 3) **Anand Sharma** (2018). Antioxidants and health benefits of tea-a review. *JAST- Journal of Arts, Science & Teaching*, 4, 22-30.
ISSN 2395-4353
Publisher: M.U.C Women's College Burdwan
- 4) **Anand Sharma**, Sarita Kumari, Martinus J Robert Nout and Prabir K Sarkar (2018). Preparation of antinutrients-reduced dhokla using response surface process optimisation. *Journal of Food Science and Technology*, 55(6), 2048-2058.
ISSN 0022-1155 (print); 0975-8402 (online); DOI:10.1007/s13197-018-31199
PMID: 29892105; PMCID: PMC5976588
Impact Factor (Thomson Reuters) = 3.8 (2022)
Publisher: Springer Nature
Indexing- Scopus, UGC-CARE List (India)
- 5) **Anand Sharma**, Sarita Kumari, Martinus J Robert Nout and Prabir K Sarkar (2017). Minimization of antinutrients in idli by using response surface process optimization. *Journal of Food Processing and Preservation*, 41(5), e13099.
ISSN 0145-8892 (print); 1745-4549 (online); DOI:10.1111/jfpp.13099
Impact Factor (Thomson Reuters) = 2.609 (2022)
Publisher: Wiley-Blackwell & Hindawi Partnership
Indexing- Scopus, Web of Science
- 6) **Anand Sharma**, Sarita Kumari, Parriote Wongputtisin, Martinus J Robert Nout and Prabir Kr. Sarkar (2015). Optimization of soybean processing into kinema, a *Bacillus*-fermented alkaline food, with respect to a minimum level of antinutrients. *Journal of Applied Microbiology*, 119, 162–176.
ISSN 1364-5072 (print); 1365-2672 (online); DOI:10.1111/jam.12826
Impact Factor (Thomson Reuters) = 4.0 (2022)
Publisher: Wiley-Blackwell Publishing Ltd., Oxford University Press
Indexing- Scopus
- 7) **Anand Sharma** and Prabir K Sarkar (2015). Microbial diversity in ethno-fermented foods of Indian Himalayan Region. *ENVIS Bulletin-Himalayan Ecology*, 23, 85–91.
ISSN 0971–7447 (print), 2455-6815 (online)
Publisher: G.B. Pant Institute of Himalayan Environment & Development (GBPIHED), Govt. of India
Indexing- UGC-CARE List (India)

- 8) Mousumi Rakshit, **Anand Sharma**, Jayati Saha and Prabir K Sarkar (2015). Optimization of soaking condition of blackgram to minimize flatogenic sugar content in blackgram-based products. *LWT-Food Science and Technology*, 63, 814–820.
ISSN 0023–6438 (print); 1096-1127 (online); DOI:10.1016/j.lwt.2015.04.026
Impact Factor (Thomson Reuters) = 6.0 (2022)
Publisher: Elsevier Ltd., Academic Press
Indexing- Scopus
- 9) Subash K Gupta and **Anand Sharma** (2014). Medicinal properties of *Zingiber officinale* Roscoe-a review. *IOSR Journal of Pharmacy and Biological Sciences*, 9, 124–129.
ISSN 2319–7676 (print), 2278-3008 (online)
Publisher: International Organization of Scientific Research (IOSR)

Book Chapter Publication

Anand Sharma and Prabir K Sarkar (2023). Non-nutrients in chickpea and cowpea, their role and methods to remove them. In: Chickpea and Cowpea: Nutritional Profile, Processing, Health Prospects and Commercial Uses. Sukhvinder Singh Purewal, Pinderpal Kaur, Raj Kumar Salar (1st Ed.), CRC Press, Taylor & Francis Group, LLC, 6000 Broken Sound Parkway NW, Suite 300, Boca Raton, FL 33487, U.S.A. eBook ISBN 9781003382027
DOI: <https://doi.org/10.1201/9781003382027>
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Book Publication

Book title: Archegoniate Plants: Short Questions & Answers

Author: Anand Sharma

Publisher: TechnoWorld, Kolkata

ISBN: 978-93-92145-25-4

Year of publication: 2021

Peer reviewing contribution

Journal name:

1. **Food and Bioprocess Technology**, ISSN: 19355149, 19355130

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Impact factor: 5.8 (2022)

2. **South African Journal of Botany**, ISSN 0254-6299

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Impact factor: 3.1

3. **Phytotaxa**, ISSN: 1179-3155

Magnolia Press, Auckland, New Zealand

Impact factor: 1.05

4. **Journal of Tropical Forest Science**, ISSN: 0128-1283

5. **Ethnobotany Research and Applications**, ISSN: 1547-3465
Institute of Botany, Ilia State University, Tbilisi, Georgia.

Research Papers presented and seminars/symposium/conference participation

- Paper presented entitled: "Processing parameter optimization of soybean to produce *Bacillus* fermented alkaline food kinema with reduced antinutritional factors". Page no. 176, presented at the 11th International Food Data Conference, Food Composition and Public Health Nutrition, organized by International Network of Food Data Systems, Food and Agriculture Organization (FAO) of the United Nations, Indian Council of Medical Research (ICMR) held at National Institute of Nutrition (NIN), Hyderabad, Telangana, November 3-5, 2015
- Paper presented entitled, "Antinutrients of soybean as influenced by process parameters during kinema production". Page no. 75, presented in "Advances in Plant and Microbial Research", organized by Department of Botany, University of North Bengal, Siliguri, December 12-13, 2014
- Paper presented entitled, " α -Galactoside content of black gram and rice as influenced by domestic processing during legume-cereal blended food production". Page no. 13, presented in National Symposium on "Recent Trends in Plant and Microbial Research" organized by DST (FIST) and UGC-SAP (DRS-II), Department of Botany, University of North Bengal, Siliguri, March 22-23, 2013
- Paper presented entitled: "Flatogenic sugar contents of black gram as influenced by domestic processing during legume-cereal blended food production". Page no. 24, presented in BBCon 2012 National Conference on Biology and Bioinformatics of Economically Important Plants and Microbes", jointly organized by UGC SAP (DRS-II), Bioinformatics Facility, Department of Botany, University of North Bengal, Siliguri, February 17-19, 2012

Declaration

I hereby declare that all information stated above by me is factual and correct to the best of my knowledge and belief.



Dr. Anand Sharma
Place: Asansol, West Bengal, India