

Curriculum Vitae

DR. MOUMITA DEV



Ph.D. in Food Processing and Nutrition Science (sp. Technology of Spices)

M.Sc. Food Processing and Nutrition Science (sp. Food Processing, Food Product Development, Product Analysis)

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Google Scholar H-index- 3

Research Gate, H-index- 3

ScopusID: 57219466034, H-index-1

Web of Science ResearcherID: HZ1-0117-2023, H-index-1

OBJECTIVE

To be a part of an organization leading to research and development and to seek a challenging position where creative ideas are fully developed and utilized for organization, public & individual growth.

Area of Interest- Food Laboratories, Industries, Research and Health care Centers and Educational Institutions.

EDUCATIONAL CREDENTIALS

S.NO.	Universities attended	Degrees earned	Dates received
1.	Indian Institute of Engineering Science and Technology, India	Doctor of Philosophy in Food Processing and Nutrition Science	2022
2.	UGC NET	Home Science	2018
3.	Indian Institute of Engineering Science and Technology, India	Master of Science in Food Processing and Nutrition Science	2014
4.	Viharilal College for Home and Social Science, India	Bachelor of Science in Food and Nutrition Science	2012
5.	Khanpur Girls High School, India	West Bengal Council of Higher Secondary Education (WBCHSE)	2009
6.	Khanpur Girls High School, India	West Bengal Board of Secondary Education (WBBSE)	2007

PROFESSIONAL EXPERIENCE

S.NO.	Organizations	Positions Held	Work Profile	From	To
1.	Swami Vivekananda University (SVU), Barrackpore	Assistant Professor- Food and Nutrition Science	Teaching the concepts of Food Science, Food Safety and related courses to the undergraduate and post-graduate students and research	01.08.2023	PRESENT
2.	Gandhi Institute of Technology and Management (GITAM) Deemed University, Hyderabad, India	Assistant Professor- Food Science and Technology	Teaching the concepts of Food Science, Food Nutrition and counselling, Food Chemistry, Technology of Spices and related courses to the undergraduate students and research	19.08.2022	25.07.2023
3.	Kingston Educational Institute	Assistant Professor- Food and Nutrition	Teaching the concepts of Food Science, Human Nutrition, Dairy Science, Food Chemistry to the undergraduate students	10.11.2021	01.08.2022

COURSES/ WORKSHOPS/ FDP'S

S.No.	COURSES/ WOKSHOPS/FDP'S	PLACE	DATE
1.	Hands on Training on Analysis of Fats and Oils, and Dairy Products including Microbial Contaminants as Desired under Food Safety Standards Regulation.	SOCSAT, IEST, SHIBPUR	2014
2.	Participated in a Short-term course titled “ Past, Present & Future of Our Food ”	Department of Humanities and Social Sciences, IEST, Shibpur, West Bengal, India	11 th to 20 th January, 2016
3.	Participated in Impact of Digital Revolution on Pharma & Healthcare	Department of IT and CHEST, IEST, Shibpur, West Bengal, India	29 January to 2 nd February, 2021
4.	Participated in International Webinar on Cyber Physical Digital Microfluidic Biochips in Healthcare Technologies.	Department of CST, IEST, Shibpur, West Bengal, India from 10 to 12 August, 2021	16-23 rd October, 2020
5.	Participated in Sustainable Health & Environmental Management during COVID 19 Pandemic.	Department of Civil Engineering & Centre for Health Care Science and Technology, IEST,	1 st to 3 rd March, 2021

		Shibpur, West Bengal, India	
6.	Participated in “ Inculcating Universal Human Values in Technical Education ” organized by All India Council for Technical Education (AICTE)	Online	19 th -23rd December, 2022
7.	Completed 3 days Talent Matrix course on “ Style Analysis-DISC and Driving Forces ”	GITAM Deemed University, Hyderabad	June, 2023
8.	Completed 5 week Coursera course on “ Excellence in Online Teaching ”	John Hopkins University	26 June, 2023
9.	Participated in Six days National level Faculty Development Online Program on “ Writing Successful Research Papers and Project Proposals for Funding Agencies ”	Malla Reddy University, Hyderabad	23-29 June, 2023
10.	Food Safety Supervisor	Bharat Chamber of Commerce	05.02.2024
11.	Participated in “ innovative teaching pedagogy: new education policy Organized by Department of Nutrition and Dietetics, School of Allied Health Science, Manav Rachna International Institute of Research and Studies in collaboration with Department of Applied Nutrition and Dietetics, Sister Nivedita University, Kolkata	Sister Nivedita University, Kolkata	24.07.2024-30.07.2024
12.	Participated in ‘ Ethical Guidelines and Good Clinical Practice for Researchers ’	Swami Vivekananda University	11.01.2025

CERTIFICATIONS

- Presented oral presentation in **International Conference on Advances on Biotechnology & Biological Sciences:: BIOSPECTRUM 2020**, organized by University of Engineering & Management, Kolkata, India from 16th to 18th November 2020.
- Presented oral presentation in **International Conference on Public Health & Dietary Lifestyle**”, organized by Universal Society of Food and Nutrition from 10th May to 11th May 2023.
- Presented oral presentation in **International webinar on Impact of Revolution on Pharma and Healthcare**” (DIGI-PH-21).January-2021, organized by Indian Institute of Engineering Science and Technology, Shibpur, West Bengal, India.
- Presented oral presentation in **International Conference on Advances on Biotechnology & Biological Sciences:: BIOSPECTRUM 2020**, organized by University of Engineering & Management, Kolkata, India from 19th to 21st November 2020.
- Presented oral presentation in 2nd **International Conference on Advances in Bioprocess Engineering and Technology**, organized by Heritage Institute of Technology, Kolkata, West Bengal, India from 20th to 22nd January 2020.

ACADEMICS

- **Courses taught:**

Courses taught	Classes	Year
Human Nutrition (Theory, Practical), Food Chemistry, Biophysics and Biochemical Principles (Theory, Practical), Nutrition Through Life Span ((Theory, Practical), Elementary Dietetics and Menu Planning (Theory, Practical), Community Nutrition (Theory), Food Microbiology and Immunology ((Theory, Practical); Food Processing and Food Technology (Theory, Practical)	B.Sc. 1 st -3 rd year	2021-2022
Metabolism and Bioenergetics (Theory), Food and Nutrition (Theory); Technology of Spices (Theory)	B.Sc. 2 nd year	2022-2023
Food Chemistry (Theory and Practical); Food Packaging (Theory and Practical)	B.Sc. 3 rd year	2022-2023
Nutritional Biochemistry (Theory and Practical); Animal Food Technology (Theory and Practical); Technology of Spices	B.Sc. 3 rd year	2023-2024
Diet Counselling and Patient Care (Theory & Practical)	B.Sc. 3 rd year	2023-2024
Internship and Nutritional Planning Lab	M.Sc 2 nd year	2023-2024
Advanced Nutrition (Theory)	B.Sc 2 nd year	2025
Principles of Food Science and Nutrition	B.Sc 3 rd year	2025

- **Thesis Supervision**

Program (UG/M S/PhD/ Intern)	Research Area/ Topic	Academic batch	Status (completed/submitted/ongoing)
UG	Effects of Microwave roasting on the physico-chemical properties of black pepper	2020-2023	completed
UG	Effect of time and temperature on cinnamon bark by microwave roasting	2020-2023	completed
UG	Physico-chemical and organoleptic properties of hotplate roasted black pepper and their relative product	2020-2023	completed
UG	Preparation and Sensory Evaluation of Mint Flavored Fermented Whey Drink	2021-2024	completed
PG	Preparation of Bioplastic from Waste Food Product	2022-2024	completed
PG	Preparation of Bioplastic using natural preservatives	2022-2024	completed
PG	Preparation and Sensory Evaluation of Cinnamon Flavoured Fermented Whey Drink	2022-2024	completed

PG	Preparation and Sensory Evaluation of Pomegranates Flavoured Fermented Whey Beverage	2022-2024	completed
PG	Preparation and Sensory Evaluation of Cinnamon Flavoured Fermented Whey Drink	2022-2024	completed
PG	Development of Tulsi Flavoured Fermented Whey Drink from Toned Cow Milk and its Special Emphasization on Health	2022-2024	completed
PG	Benefits of Oats Porridge Enriched with Almond Milk During Pregnancy-A review	2022-2024	completed
PG	Nutrition and Dietary Management for Attention Deficit Hyperactivity Disorder (ADHD)-A Comprehensive Review	2022-2024	completed

➤ **RESEARCH**

PATENT FILLED

S. No.	TITLE	REGISTRATION No.	DATE OF FILING	INVENTORS
1.	Method For Synthesis of Polylactic Acid From Whey	TEMP/E-1/76911/2023- CHE	10/10/2023	Co-inventors-Dr.Moumita Dev

PATENT PUBLISHED

S. No.	TITLE	PUBLICATION NO.	PUBLICATION DATE	APPLICATION NUMBER	INVENTORS
1.	Tulsi-Extract Based Whey Drink Composition	35/2024	30/08/2024	202431062953	Dr.Moumita Dev

Other services provided:

- ✓ Mentor 2025
- ✓ R & D coordinator

➤ **PUBLICATIONS**

RESEARCH PUBLICATIONS			
Title	Authors	Journal	Page No.
Physico-chemical, Antimicrobial, and Organoleptic Properties of Roasted Aromatic Spice	Moumita Dev ,Minakshi Ghosh,D.K.Bhattacharya	Applied Biochemistry and Biotechnology	1813-1835

(Clove Bud) in Baked Product.			
Effects of temperature and time of roasting on the physico-chemical and antimicrobial characteristics of cinnamon bark oil.	Moumita Dev ,Minakshi Ghosh,D.K.Bhattacharyya	International Journal of Pharmaceutical Science and Research	1000-1010
Effect of different roasting methods on clove bud extracted oil	Moumita Dev ,Minakshi Ghosh,D.K.Bhattacharyya	Food and Humanity	100224
A study to characterize and evaluate the chemical composition and bioactive properties of microwave-roasted cinnamon bark oil	Moumita Dev ,Minakshi Ghosh,D.K.Bhattacharyya	Food and Humanity	2949-8244
Novel Synthesis of Polylactic Acid from Whey and its Application as Green Biofilms (laminates)	Parul Thapar, Moumita Dev , Niharika Gemedar N, Ajay Kumar Swarnakar	Letters of Applied Nano Bioscience Journal	ISSN No.: 2069-5837
BOOK CHAPTER PUBLICATION			
An Overview of the Impact of Caffeine and Creatine on Sports Performance	Ayan Datta, Moumita Dev	Recent Trends and Innovations in Food Science, Food Technology & Nutrition	ISSN No:978-93-6135-297-3 https://doi.org/10.22271/ed.book.3025
Spices Technology	Moumita Dev	Fundamentals of Food Science and Beyond	ISSN No:978-93-6039-536-0
Nutrition and Dietary Management for Attention Deficit Hyperactivity Disorder (ADHD)-A Comprehensive Review	Suranjana Sen, Moumita Dev	Applied Clinical Nutrition and Food Science:A Holistic Guide towards Robust Health	https://doi.org/10.62906/bs.book.142 ISSN NO.978-93-6233-051-2

Fever and Gout:Distinguishing Discomforts	Moumita Dev	Therapeutic Nutrition	https://doi.org/10.62778/int.book.438 ISSN No.978-93-5834-142-3
Composition and Antioxidant Activity of Vapours from Clove Bud During Roasting.	Moumita Dev ,Minakshi Ghosh,D.K.Bhattacharyya	Advances in Bioprocess Engineering and Technology	151-158
REVIEW PUBLICATIONS			
A comprehensive study on muscle paralysis linked with botulism disease	Juhi Das, Moumita Dev and Rupali Dhara Mitra	International Journal of Biology Sciences	10.33545/26649926.2025.v7.i1b.272
An overview of oxidative stability of edible oils improved by natural extracts with antioxidant activity	Rinky Garg, Moumita Dev and Riya Ganguly	Journal of Current Research in Food Science	10.22271/foodsci.2025.v6.i1a.177
Food fraud Prevention:Authentication and traceability	Aparna Sarkar and Moumita Dev	International Journal of Advanced Academic Studies	10.33545/27068919.2025.v7.i1a.1327
A concise review on current trend of replacing fat in the development of non dairy cheese analogues	Amrita Roy, Moumita Dev ,Moumita Das	Food Science and Biotechnology	https://doi.org/10.1007/s10068-024-01729-3
An overview of spices and herbs as natural antioxidant sources	MdS Alieozaman,Mo nalisa Chowdhury,Anam Fatima, Moumita Dev	Journal of Current Research in Food Science	31-35
An overview of therapeutic effects of sesame seed curd	Amrita Gayen, Moumita Dev	The Bioscan	13-15
Effects of Phytochemicals on Type 2 Diabetes Mellitus-A Short Review	Ishita Sinha, Moumita Dev ,Dipsikha Bangal,Sayani Dutta	Journal of Advanced Zoology	1891-1897
ARTICLE PUBLICATION			

Process of Trapping and Physico-Chemical Analysis of Roasted Cinnamon Powder	Moumita Dev	Food Infotech	38-42
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MEMBERSHIP AND ACTIVITIES IN PROFESSIONAL ASSOCIATIONS:

- **Reviewer** in *Current Research in Nutrition and Food Science*, since January, 2023
- **Life Member** of International Institute of Organized Research (I2OR), since November, 2022

ORGANIZING AND TEAM-LEADING SKILLS

- **Organizing Secretary** in three-day Symposium on ‘**International Conference on Science and Technological Innovations in Agriculture Life Sciences and Food and Nutrition**’ organized by Department of Food and Nutrition, School of Allied Health Sciences, Swami Vivekananda University, Barrackpore, on February 4-6, 2025.
- **Organizing Secretary** in two-day Symposium on ‘**International Conference of the Future of Sustainable Development**’ organized by Department of Food and Nutrition, School of Allied Health Sciences, Swami Vivekananda University, Barrackpore, on September 25th-26th, 2024.
- **Organizing Secretary** in three-day Symposium on ‘**Celebration of National Nutrition Month**’ organized by Department of Food and Nutrition, School of Allied Health Sciences, Swami Vivekananda University, Barrackpore, on September 10th-12th, 2024.
- **Organizing Secretary** in two-day Symposium on ‘**International Conference on Scientific Advances in Life Sciences, Agriculture and Food & Nutrition**’ organized by Department of Food and Nutrition, School of Allied Health Sciences, Swami Vivekananda University, Barrackpore, on June 20th-21st, 2024.
- **Organizing Secretary** in three-day Symposium on ‘**International Conference on Scientific Advances in Life Sciences, Agriculture and Food & Nutrition**’ organized by Department of Food and Nutrition, School of Allied Health Sciences, Swami Vivekananda University, Barrackpore, on September 28th-30th, 2023.
- Worked as Coordinator in a Webinar on ‘**Millet :The Future Food**’ organized by Department of Food Science and Technology, School of Science, GITAM, Hyderabad on May 4, 2023.
- **Organizing Secretary** in One-day Symposium on ‘**Nutrition through Nutri Millet**’ organized by Department of Food Science and Technology, School of Science, GITAM, Hyderabad on January 25, 2023.
- **Organizing Secretary** in One-day Symposium on “**Eat Well-Live Well**” for National Nutrition Week, organized by Department of Food Science and Technology, School of Science, GITAM, Hyderabad, 02nd September, 2022.
- Contributed as **Moderator** in a webinar on ‘**Basic Introduction To Various Techniques Of Preservation**’ organized by Kingston Educational Institute, Barasat, India, July, 2022.
- Contributed as **Moderator** in a webinar on ‘**Food Extrusion-An innovation in Food Processing vis-à-vis Nutrition**’ organized by Kingston Educational Institute, Barasat, India, June, 2022.
- Contributed as **Moderator** in a webinar on ‘**The truths behind the most popular diet trends at this moment**’ organized by Kingston Educational Institute, Barasat, India, May, 2022.
- Contributed as **Moderator** in a webinar on ‘**Emotional Eating and Nutritional Imbalance**’

organized by Kingston Educational Institute, Barasat, India, April, 2022.

PROFESSIONAL HONORS, AWARDS AND FELLOWSHIPS

- Received “**National Academic Excellence Award**” by International Institute of Organized Research (I2OR), 20th April, 2023.
 - Received Certificate of **Excellence in Reviewing** from Current Research in Nutrition and Food Science Journal, April, 2023.
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PERSONAL DETAILS

Husband's Name : Mr. Gourab Das

Date of Birth : 29.06.1991

Nationality : Indian

Marital Status : Married

Permanent Address : 3E/2 B K Pal Lane Kolkata 700030

