

RESUME

ACADEMIC PROFILE:

- PhD in Sciences, Institute of Engineering Science and Technology, Shibpur, India [2017].
- M.Sc. Food Processing and Nutrition Science, Institute of Engineering Science and Technology, Shibpur, India; Formerly Bengal Engineering and Science University, Shibpur, India [2010].
- B.Sc. Clinical Nutrition and Dietetics, Viharilal College of Home and Social Science, University of Calcutta, India [2008]

PROFESSIONAL EXPERIENCE:

- 2019 – Present, **Temporary Faculty**, School of Community Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur, Howrah. India.
- 2017 – 2019, **Guest Lecturer**, Women's College Calcutta, Baghbarah, India.
- 2011 - 2016, **PhD Research Scholar**, School of Community Science and Technology, Indian Institute of Engineering Science and Technology, Shibpur, Howrah. India.

AWARDS:

- **DST INSPIRE** Fellow for doctoral study (2011-2016)
- **ARUN CHANDRA MITRA MEMORIAL MEDAL (GOLD MEDAL)** for securing the highest marks in Masters of Science examination 2010, Bengal Engineering and Science University, Shibpur (BESUS).
- **SILVER MEDAL** for securing the highest marks in Masters of Food Processing and Nutrition Science, 2010, Bengal Engineering and Science University, Shibpur (BESUS).

PUBLICATIONS

- **Preparation of Edible Oleogel from Ricebran Oil using Palm Stearin and Cetyl Oleate as Gelators** Moumita Ghosh, Dipak K. Bhattacharyya and Mahua Ghosh *Journal of Lipid Science and Technology*, Volume – 51, No. – 1, 2019, Page: 5-11, ISSN- 0973 – 6379.
- **Nutritional Evaluation of Oleogel made from Micronutrient Rich Edible Oils.** Moumita Ghosh, Faruk Begg, Dipak K Bhattacharyya, Nilratan Bandyopadhyaya, Mahua Ghosh. *Journal of Oleo Science*, Volume 66 (3) , 2017, Page: 217-2266; DOI 10.5650/jos.ess 16165
- **Preparation of Human Milk Fat Analogue by Enzymatic Interesterification Reaction using Palm Stearin and Fish Oil.** Moumita Ghosh, Avery Sengupta, Dipak Bhattacharyya, Mahua Ghosh. *Journal of Food Science and Technology*, Volume - 53, 2016, Page: 2017-2024; DOI 10.1007/s13197-016-2180-5

- **Antioxidant Properties of Aqueous and Organic Extracts of Whole Fat Rice Bran and Defatted Rice Bran**” Moumita Ghosh, Minakshi Ghosh, D.K.Bhattachryya, Jayati Bhowal. Journal of Lipid Science and Technology, Volume – 43, No. – 3, 2011, Page: 95– ISSN- 0973 – 6379.

SELECTED ORAL & POSTER PRESENTATIONS:

- **Studies on Preparation of Margarine from Di-acyl Glycerol Rich Oleogel. Oral presentation** on 107th Annual Meeting and Expo organized by American Oil Chemists’ Society held on May, 1-4, 2016, Salt Lake City, Utah, USA.
- **Nutritional Evaluation of Edible Oleogel Prepared from Rice Bran Oil and Flaxseed Oil. Oral presentation** on 70th Annual convention and National Conference on the Process and Products Development for Better Economy Benefits of the Fats and Oil Industry organized by Oil Technologists’ Association of India held on November 21-22, 2015, Kolkata.
- **Studies on Preparation of Di-acyl Glycerol Rich Oleogel. Poster Presentation** on International Conference on 3-S-Safety, Security and Sustainability: Innovations in Food and Bioprocess Industries organized by Department of Food Technology and Biochemical Engineering, Jadavpur University, February 27-28, 2015, Kolkata.
- **Rice Bran Oil Oleogel: A Novel Technology for Structuring Edible Oils. Oral presentation** and on 69th Annual convention and International Conference on Sustainable Technologies and Futuristic Trends: Oilseeds – Oils Processing Surfactants and Expo organized by Oil Technologists’ Association of India held on November 14-16, 2014, Agra.
- **Production of Human Milk Fat Analogue Containing Eicosapentaenoic acid, Docosahexaenoic acid and Arachidonic acid by Enzymatic Interesterification. Poster Presentation** on 67th Annual convention and International Conference and Expo on Latest Developments in Vegetable Oil Processing organized by Oil Technologists’ Association of India held on November 23- 24, 2012, Mumbai.

TEACHING / GUIDANCE EXPERIENCE:

- Teaching M.Sc. Food Processing and Nutrition Science students at School of Community Science and Technology, IEST, Shibpur regarding several subjects like Basics of Food and Nutrition, Food Chemistry and Analysis, Food Chemistry and Analysis laboratory, Nutrition and Dietetics, Community Nutrition, Food Processing Principles and Application, Nutrition and Human Development, Food Toxicology, Entrepreneurship and Human Resource Management, Food Processing and Preservation Laboratory, Food Safety and Quality Assessment, Food Product Design and Development.
- Guiding M.Sc. students for Thesis and Term Paper – 8 (4 on-going)
- Convenor of Departmental Faculty Committee, School of Community Science and Technology, IEST, Shibpur (Maintenance of information for Departmental Faculty Activities and taking initiation of required steps for benefit of school; Conducting Departmental Faculty Committee meeting and maintenance of relevant documents. Submission of documents to Institute, required for various academic activities of School).

- Member of Departmental Training and Placement Committee, School of Community Science and Technology, IEST, Shibpur.

Life Membership: Oil Technologists Association of India.