

Dr. Sonia Mor
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Dairy Chemistry Department
College of Dairy Science & Technology
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Qualifications:

- Ph.D (Dairy Chemistry) from National Dairy Research Institute, Karnal in 2020
- M.Tech (Dairy Chemistry) from National Dairy Research Institute, Karnal in 2017
- B.Tech (Dairy Technology) from National Dairy Research Institute, Karnal in 2015

Students Guided: M.Tech./M.Sc: 5

Awards:

- Merit certificate in B.Tech. in Dairy Technology
- Recipient of NCC “C” Certificate
- ICAR-NDRI Institute Fellowship for M.Tech (2015-17)
- ICAR-NDRI Institute Fellowship for Ph.D (2017-20)
- Second prize in poster presentation on the topic “Fortification of milk with nanoencapsulated milk biopeptides” in 50th Dairy Industry Conference-2024 on the theme Indian dairying: Innovation and Entrepreneurship held from 4th to 6th March, 2024 at Hyderabad, Telangana.
- Third prize in poster presentation on the topic “Nanoencapsulation of milk antioxidant peptides in form of niosomes” at National Women’s Food Science and Technology Conference held at Indian Institute of Food Processing Technology, Thanjavur, 2021.
- Best oral presentation award on the topic “Development and Characterization of Milk Biopeptide Loaded Niosomes” in the “International Conference on Current Research and Approaches in Food Technology-2020” at Osmania University, Hyderabad, India.
- Merit Award for poster presented on the topic “Preparation and characterization of milk biopeptide loaded niosomes” at National Conference on Health and wellness through Nutrition and Nutraceutical held at Ramaiah University of Applied Sciences, Bengaluru, 2020.
- First prize in poster presentation on the topic “Relevance of physico-chemical parameters to distinguish cow ghee from buffalo ghee” at 46th dairy Industry Conference held from 8-10 February, 2018 at Kochi, Kerala.
- Third prize in poster presentation on the topic “Potential of different color parameters to distinguish cow ghee from buffalo ghee” at Third National Conference on Contemporary Food Processing and Preservation Technologies held at Shoolini University, Solan, H.P., 2018

Publicatons:

- Sonia Mor, Surendra N. Battula, G. Swarnalatha, Heartwin Pushpadass, Laxmana N. Naik, and Magdaline Franklin, (2021), “Preparation of Casein Biopeptide-Loaded Niosomes by High Shear Homogenization and Their Characterization”. *Journal of Agricultural and Food Chemistry*, 69 (15):4371-4380.
- Sonia Mor, Vivek Sharma, Sumit Arora and Prashant Minz, (2022). “ Physico-chemical and color parameters to distinguish cow ghee from buffalo ghee.” *Journal of Food Science and Technology*, 59(8): 3231–3236
- G. Swarnalatha, Surendra N. Battula, Sonia Mor, Heartwin Pushpadass, Laxmana N. Naik, and Magdaline Franklin,(2022). “Green tea catechin loaded niosomes: formulation and their characterization for food fortification.” *Journal of Food Science and Technology*, 59: 3669–3682.
- Sonia Mor, Vivek Sharma and Sumit Arora, (2018) “Effect of season, heat clarification temperature and ripening of cream on physico-chemical parameters of Ghee”. *International Journal of Chemical Studies*, 6(2): 2894-2900
- Angelika Nelson, SK Aktar, Sonia Mor, Deodeep Kumar,(2024). “ Optimisation of the Shrikhand incorporated with lemongrass (*Cymbopogon citratus*) distillate”. *Indian Journal of Dairy Science*, 77(5)
- Sonia Mor, Vivek Sharma, P.S. Minz and Navdeep Nain,(2018) “ Effect of season, heat clarification temperature and ripening of cream on color parameters of Ghee”. *International Journal of Current Microbiology and Applied Sciences* , 7(10): 30-43.
- R.S.J. Madhuri, Sonia Mor, Anamika Das,(2023) “ Development and Quality assessment of functional Whey drink prepared using Cornsilk extract”. *Gradiva Review Journal*, 9(3): 753-759
- G. Swarnalatha and Sonia Mor,(2019) “ Different approaches to Improve Thermostability of Whey proteins: A Review”. *International Journal of Current Microbiology and Applied Sciences*, 8(04),1-10.
- Laxmana N. Naik, Surendra N. Battula, Sonia Mor, Brunda S. Murthy and G. Swarnalatha , (2020) “Dairy Products: Potential Sources for Immune Boosting”. *Indian Journal of Dairy and Biosciences*, 31(13-16)
- Sonia Mor, G. Swarnalatha, Navdeep Nain, Bumbadiya Mitul Kumar Ratanbhai and Suman Soni.,(2019) “ Lactoferrin: Structure and Biological Activities”. *Dairy Planner*, March Issue, 16(3):5-9.
- Sonia Mor, Savita Devi, Kamal Gandhi, Navdeep Nain and Sumit Arora. (2018) “ Impact of A1 and A2 milk on human health”. *Indian Food Industry.*, 37(3):36-40.
- Sonia Mor, Navdeep Nain, Anamika Das, Anu Kumari and Vini Swarup,(2023). “Scope of Nanoencapsulation for Delivery of Functional Food Ingredients”.(Book Chapter), *Potential of Nanomaterials in Food packaging. Food Process Engineering and Technology*. Springer. , 303-311.
- Brunda S. Murthy, Sonia Mor, Laxmana N. Naik, N.Veena and Surendra N. Battula, (2022) “Functional Dairy Ingredients and Nutraceuticals”, (Book Chapter), *APPLE ACADEMIC PRESS and CRC Press, Taylor and Francis Group*, 978-1-77463-991-7.
- Surendra Nath B, Laxmana Naik N, K. Ram Krishna Prasad, G. Swarnalatha and Sonia Mor., (2019) “Dairy Dairy Products – Nutritional and Safety Issues”, *Workshop on Quality Assurance and Safety of Dairy Products- An Update on FSSAI Regulations, SRS, ICAR-NDRI, Bengaluru*, 24-28.
- Swarnalatha G, Sonia Mor, Brunda S Murthy, Laxmana Naik N and Surendra Nath B,(2019)

“Incidence of Chemical Hazards in Milk: Regulations”, Workshop on Quality Assurance and Safety of Dairy Products- An Update on FSSAI Regulations, SRS, ICAR-NDRI, Bengaluru, 79-82.

- Surendra Nath B, Laxmana Naik N, G. Swarnalatha Sonia Mor and Brunda S Murthy, (2020) “Functional Dairy Foods: An Overview”. Conference on Emerging trends for development of functional food, Conference on Emerging trends for development of functional food, MAFSU, Nagpur.

Participation in symposium/ seminars/conferences/ trainings etc

- Make in India: Dairying 2030, 44th Dairy Industry Conference, ICAR-NDRI, Karnal, 18-20 February, 2016
- Dairying: Sufficiency to Efficiency, 46th dairy Industry Conference, Indian Dairy Association (South Zone), Kochi, Kerala, , 8-10 February, 2018
- Third National Conference on Contemporary Food Processing and Preservation Technologies, Shoolini University, Solan, , 12-13 April, 2018
- National Conference on Challenges and Opportunities for the New Generation Dairy Foods in India, College of Dairy Technology, Tirupati and National Academy of Dairy Science, Karnal, 9-10 September, 2018
- International Conference on Current Research and Approaches in Food Technology-2020, Osmania University, Hyderabad, 14-15 February, 2020
- National Seminar on Nutraceuticals and Functional Foods, Indian Institute of Food Processing Technology, Thanjavur, 30 January, 2019
- International Conference on Emerging Scenario in Agribusiness, Indian Institute of Plantation Management, Bengaluru. , 21-22 March, 2019
- National Conference on Health and Wellness through Nutrition and Nutraceuticals – 2020, Ramaiah University of Applied Sciences, Bengaluru. , 22-24 January, 2020
- National Women’s Food Science and Technology Conference, , Indian Institute of Food Processing Technology, Thanjavur, 8 March, 2021
- National Consultation on Agri-Start Ups for Smart Farming, ICAR-NIANP, Bengaluru, 11-12, October,2018
- e-International Conference Role of Fermented Foods in Pandemic Era, Guru Nanak Khalsa College, Mumbai & Swedish South Asian Network on Fermented Foods, 25 June, 2020
- National Webinar on Immunity Boosting through Dairy Products, MAFSU-College of Dairy Technology (Pusad) & Indian Dairy Association, 1 June, 2020
- Training on Fundamentals of GCMS with GCMS solution , Workstation, SAIP, DELHI, 14-15 September, 2017
- Workshop on Quality Assurance and Safety of Dairy Products- An Update on FSSAI Regulations, SRS, ICAR-NDRI, Bengaluru, , 1 July, 2019
- International Workshop on Milk: Naturally Nanostructured Food , ICAR-NDRI, Karnal,

30 November, 2016

- Workshop on Healthy Eating and Safe Food , Ramaiah University of Applied Sciences, Bengaluru,, 22-24 January, 2020
- International Web-Workshop on Inovative and Emerging Technologies for Food Safety & Nutrition Quality , ICAR-NDRI, Karnal, 12-13 & 25 May, 2021