

Dr. Entesar Hanan

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Summary

Passionate Food Technologist with expertise in the field of waste valorization. Well-versed in innovative new product development (NPD) and quality monitoring. Energetic and hardworking professional with aim for pioneering growth as research professional.

Transferable /non-transferable skills

New Product development • Animal handling • Rheometer • Microscopy • HPTLC • Encapsulation • Food Science and Technology • Food Processing • Food Quality • Food Analysis • Food Chemistry • Food & Nutrition • Food Safety • Food Packaging • Food Nanotechnology • Food Microbiology • Food Preservation • Meat Products • Food Microbiology and Safety • Food Processing and Engineering • In vitro Experiments • Statistical software- GraphPad Prism 8 • Bio-render • Referencing software

Academic & professional qualifications

Academia	Institute	Year of Passing	CGPA
Ph. D (Food Technology)	Jamia Hamdard (University), New Delhi	2023	N/A
M.Tech. (Food Technology)	Jamia Hamdard (University), New Delhi	2017	9.85/10
B. Tech. (Food Technology)	Islamic University of Science & Technology, J&K	2015	8.37/10
HSC (12 th)	Mallinson Girls School, Srinagar, J&K	2010	88.2%
SSC (10 th)	Linton Hall School, Srinagar, J&K	2008	87.2%

PhD Thesis:

Title: "Cardio Protective Effects of Different Formulations of Quince (*Cydonia oblonga* Miller) Kashmiri Bamchount: A Potential Source of Bio Active Compounds."

Advisor's Name: Dr. Farhan J Ahmad

Professor, Department of Pharmaceutics,
Jamia Hamdard (University), New Delhi.

M.Tech Thesis:

Title: "Valorisation of pea pods and its utilisation for developing functional foods"

Advisor's Name:

Dr. Vasudha Sharma

Assistant Professor

Department of Food Technology

Jamia Hamdard (University), New Delhi

Dr. Shalini Gaur Rudra

Sr. Scientist

Department of Post- Harvest & Technology

Indian Agricultural Research Institute, PUSA, New Delhi

Achievements

- ✚ Topper in M. Tech (Gold Medalist)
- ✚ Completed ISO 22000:2015 Food Safety Management System (FSMS) Auditor/ Lead Auditor Training
- ✚ Qualified Indian Council of Agriculture Research (ICAR) AIEEA-PG-2015

Fellowships:

- ✚ "Innovation in Science Pursuit for Inspired Research", Department of Science & Technology, Govt of India, New Delhi, (DST-Inspire Fellowship). (2017-2022)

Featured publications

- ✚ Majeed, T., Shabir, I., Srivastava, S., Maqbool, N., Dar, A. H., Jan, K., Pandey, V. K., Shams, R., Bashir, I., Dash, K. K., **Hanan, E.**, & Wani, N. R. (2024). Valorization of food wastes by implementation of subcritical water extraction: A comprehensive review. *Trends in Food Science & Technology*, 143(104316), 104316.
- ✚ Jan, Y., Malik, M., Haq, A., Panda, B. P., Yaseen, M., **Hanan, E.**, ... & Rafiq, A. (2023). Impact of Food and Agricultural Wastes on the Environment: Management Strategies and Regulations to Curb Wastes. In *Integrated Waste Management Approaches for Food and Agricultural By products* (pp. 165-199). Apple Academic Press.
- ✚ **Hanan, E.**, Ahmad, F. J., Sharma, V., Bashir, O., Malik, M., & Jan, Y. (2023). Characterization of Food and Agricultural Wastes: Global Scenario of Waste Generation. In *Integrated Waste Management Approaches for Food and Agricultural By products* (pp. 1-24). Apple Academic Press.
- ✚ **Hanan, E.**, Hasan, N., Zahiruddin, S., Ahmad, S., Sharma, V., & Ahmad, F. J. (2023). Utilization of Quince (*Cydonia oblonga*) Peel and Exploration of Its Metabolite Profiling and Cardioprotective Potential Against Doxorubicin-Induced Cardiotoxicity in Wistar Rats. *ACS omega*
- ✚ **Hanan, E.**, Hasan, N., Zahiruddin, S., Ahmad, S., Sharma, V., & Ahmad, F. J. (2023). Metabolite profiling and Ameliorative effect of quince (*Cydonia oblonga*) leaves against doxorubicin induced cardiotoxicity in Wistar rats. *Food Bioscience*, 102691.
- ✚ Bora, J., Tongbram, T., Yaseen, M., Malik, M., & **Hanan, E.** (2021). Characterization of Modern Cold Storage for Horticulture Crops. In *Packaging and Storage of Fruits and Vegetables* (pp. 183-208). Apple Academic Press.
- ✚ **Hanan, E.**, Rudra, S. G., Sharma, V., Sagar, V. R., & Sehgal, S. (2021). Pea pod powder to enhance the storage quality of buckwheat bread. *Vegetos*, 34, 790-799.
- ✚ Kausar, T., Anwar, S., **Hanan, E.**, Yaseen, M., Aboelnaga, S. M., & Azad, Z. R. (2021). Therapeutic role of ginger (*Zingiber officinale*)-A review. *Journal of Pharmaceutical Research International*, 33(29B), 9-16
- ✚ **Hanan, E.**, & Ahmad, F. J. (2020). Nutraceutical-Loaded Chitosan Nanoparticles for Healthcare Applications. *Nanomedicine for Bioactives: Healthcare applications*, 231-257.
- ✚ **Hanan, E.**, Sharma, V., & Ahmad, F. J. (2020). Nutritional composition, phytochemistry and medicinal use of quince (*Cydonia oblonga* Miller) with emphasis on its processed and fortified food products. *J Food Processing Techno*, 11(6), 1-13.
- ✚ Rudra, S. G., **Hanan, E.**, Sagar, V. R., Bhardwaj, R., Basu, S., & Sharma, V. (2020). Manufacturing of mayonnaise with pea pod powder as a functional ingredient. *Journal of Food Measurement and Characterization*, 14, 2402-2413.

- ✚ **Hanan, E.,** Rudra, S. G., Sagar, V. R., & Sharma, V. (2020). Utilization of pea pod powder for formulation of instant pea soup powder. *Journal of Food Processing and Preservation*, 44(11), e14888.
- ✚ Kausar, T., **Hanan, E.,** Ayob, O., Praween, B., & Azad, Z. R. A. A. (2019). A review on functional ingredients in red meat products. *Bioinformation*, 15(5), 358.

Workshops/Seminars/Presentations:

- ✚ Poster presentation IASTAM Conclave 2022 on “Multi-Targeted Therapeutics in Unani and Ayurvedic Medicine & Food Supplements”. (29-30 July, 2022).
- ✚ Poster presentation in International Conference on “Food Processing, Nutrition and Fortification with emphasis on vitamin D”. (05-06, March, 2020)
- ✚ Poster presentation in 7th International Congress of Society for Ethnopharmacology on “Ethnopharmacology in Development of Scientifically Validated Quality Products from Medicinal Plants & Regulatory Aspects”. (15-17, February 2020).
- ✚ Participated in Training Programme on “Modern Biology with Focus on Infectious Diseases”. (18 November- 14 December, 2019)
- ✚ Participated in 3rd International Conference on “Nanobiotechnology for Agriculture” (NANOAGRI 2019), Translational Research for Food and Agricultural Technologies. (21-22, November, 2019).
- ✚ Participated in one day Workshop on “Context of Food Safety, FSSAI Act& Regulations and CODEX Alimentarius. (4-5, November, 2019).
- ✚ Participated in one day Workshop on “Sensory Evaluation”. (11 September, 2019)
- ✚ Poster presentation in 6th World Congress on Nano medical Sciences, Chemistry Biology Interface: Synergistic in New Frontiers (CBISNF-2019) & Science & Technology for the future of Mankind. (07-09, January 2019)
- ✚ Participated in International Conference on “Recent Advances in Food Fortification with Emphasis on Vitamin D Deficiency in Human Health”. (15-16, September, 2018)
- ✚ Participated in one day National Seminar on “Food Safety and Hygiene” (19 April, 2018)
- ✚ Participated in two Day Workshop on “Molecular Imaging and Drug Delivery” (MIDD-2018). (26 March, 2018)
- ✚ Poster presentation in North Zone Student Research Convention “Anveshan 2018”. (27 February, 2018)
- ✚ Poster Presentation in National Seminar on ‘Biomedical Engineering, Food and Fermentation Technology’. (28 March, 2017)

Committee Involvement:

- ✚ Member of Organising Committee in International Conference on “Nanotechnology & Drug Delivery” (ICNDD-23). (09-10, February 2023).
- ✚ Volunteer in IASTAM Conclave 2022 on “Multi-Targeted Therapeutics in Unani and Ayurvedic Medicine & Food Supplements”. (29-30 July, 2022).
- ✚ Volunteer in International Conference on “Food Processing, Nutrition and Fortification with emphasis on vitamin D”. (05-06, March2020)
- ✚ Volunteer in 7th International Congress of Society for Ethnopharmacology on “Ethnopharmacology in Development of Scientifically Validated Quality Products from Medicinal Plants & Regulatory Aspects”. (15-17, February 2020).
- ✚ Member of Organising Committee in National Pharmacy week 2019.
- ✚ Member of Organising Committee in Conference cum Workshop on “Molecular Imaging and Drug Delivery” (MIDD-2018). (26 March, 2018)

Working Experience

- Indian Agricultural Research Institute (IARI), New Delhi (4 months): Worked on “Valorisation of pea pods and its utilisation for developing functional foods”
- Danone – F&B Pvt Ltd – Sonapat Haryana (3 Months): Worked on topic “Minimisation of water loss during CIP”

Personal profile

Father’s Name : Prof. (Dr) M. A. Khan
Mother’s Name : Roshan Ara
Date of Birth : June 18, 1992
Marital Status : Single
Religion : Islam
Languages known : English, Hindi, Kashmiri, and Urdu
Nationality : Indian

Declaration

I hereby declare that all the above statements are true, correct and to the best of my knowledge and belief.

Date: November 28, 2023
Place: Srinagar, Jammu and Kashmir, India

(*Khan*)

References

- Dr Farhan Jalees Ahmad:**
Professor, Department of Pharmaceutics, Jamia Hamdard, New Delhi
Contact: 9810720387
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- Dr. Shalini Gaur Rudra:**
Scientist, Department of Post-Harvest & Technology,
Indian Agricultural Research Institute PUSA, New Delhi.
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- Dr. Vasudha Sharma:**
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