

**Dr. Sana Ikram,  
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### **Specialization:**

Food Science and Engineering

### **Education:**

Ph.D. Food Science and Engineering (2020), Beijing Technology and Business University (BTBU), Beijing, China.

M.Sc. Food & Nutrition (2011), College of Home Economics, University of Peshawar (UOP), Pakistan.

B.Sc. Food & Nutrition (2009), College of Home Economics, University of Peshawar (UOP), Pakistan.

### **Experience:**

2022- to date– **National University of Medical Sciences, Rawalpindi, Pakistan.**

2013- 2014 – **Shifa International Hospital, Islamabad, Pakistan.**

2012- 2013 – **College of Home Economics, University of Peshawar, Pakistan.**

### **Research Interests:**

Clinical and Therapeutic Nutrition, Public Health Nutrition, Micronutrients/Trace Minerals Deficiency.

## Selected Publications:

1. **Ikram S**, Zhang H, Ahmed MS, Wang J. Ultrasonic pretreatment improved the antioxidant potential of enzymatic protein hydrolysates from highland barley brewer's spent grain (BSG). *Journal of Food Science*. 2020 Apr;85(4):1045-59. <https://doi.org/10.1111/1750-3841.15063> (**Impact Factor: 3.167**).
2. **Ikram S**, Zhang H, Ming H, Wang J. Recovery of major phenolic acids and antioxidant activity of highland barley brewer's spent grains extracts. *Journal of Food Processing and Preservation*. 2020 Jan;44(1): e14308. <https://doi.org/10.1111/jfpp.14308> (**Impact Factor: 2.190**).
3. **Ikram S**, Huang L, Zhang H, Wang J, Yin M. Composition and nutrient value proposition of brewers spent grain. *Journal of Food Science* 2017 Oct; 82(10):2232-42. <https://doi.org/10.1111/1750-3841.13794>. (**Impact Factor: 3.167**).
4. Ahmed MS, **Ikram S**, Rasool A, Li C. Design and construction of short synthetic terminators for  $\beta$ -amyrin production in *Saccharomyces cerevisiae*. *Biochemical Engineering Journal*. 2019 Jun 15;146:105-16 <https://doi.org/10.1016/j.bej.2019.03.011> (**Impact Factor: 3.978**).
5. Ahmed MS, **Ikram S**, Bibi N, Mir A. Hutchinson–Gilford progeria syndrome: a premature aging disease. *Molecular Neurobiology*. 2018 May 1;55(5):4417-27. <https://link.springer.com/article/10.1007/s12035-017-0610-7> (**Impact Factor: 5.590**).
6. Ahmed MS, Lauersen KJ, **Ikram S**, Li C. Efflux transporters' engineering and their application in microbial production of heterologous metabolites. *ACS Synthetic Biology*. 2021 Mar 22;10(4):646-69. <https://doi.org/10.1021/acssynbio.0c00507>. (**Impact Factor: 5.11**).

**Total Impact Factor (Up to May 13, 2022): 23.202**