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Dr. MUHAMMAD KALEEM

Objective

To become a part of venerable organization to excel my skills.

Summary of Qualifications

Year	Degree	Institution	CGPA/Marks
2014-2020	Ph. D (Food Technology)	PMAS- Arid Agriculture University Rawalpindi	3.42/4
2012-2014	M. Sc. (Hons) Agriculture (Food Technology)	PMAS- Arid Agriculture University Rawalpindi	3.58/4.00
2008-2012	B.Sc (Hons) Agriculture (Food Technology).	PMAS- Arid Agriculture University Rawalpindi	3.59/4.00
2006-2008	F.Sc. (Pre-Medical)	APS&C Peshawar Cantt	812/1100
2004-2005	Matric	FG Boys High School Kohat Cantt	778/1050

Professional Experience

04-02-2022 to till now **Assistant Professor, Food Science and Technology, University of Narowal, Narowal**

June 02,2021 to 03-02-2022 Punjab Food Authority, **Punjab Food Authority**

August 7,2020- 01-06-2021 Punjab Food Authority, Government of the Punjab as **Deputy Director Operations (Additional charge)**

October 13, 2016- August 06,2020 **Punjab Food Authority**, Government of the Punjab as **Food Safety Officer (BS-17)**

Computer Skills

- MS-Word, MS-Excel, Power Point
- Statistix, Design expert, Minitab, SPSS (Statistical Software).
- Endnote X5 - Citation and referencing software
- Corel Draw using from last 3 years
- Chem Draw using from last 3 years

Trainings/ Workshops/ conferences/ Certificates

- Participated in 03-Days workshop on “Leadership skills” for officers of Punjab Government organized by Management and Professional Development Department from 23-09-2019 to 25-09-2019.
- Attended Training on Edible oil/Ghee Fortification and Quality Assurance and Quality Control Processes held on May 15, 2017 at Lahore Pakistan
- Attended Total Nutrition Therapy Seminar held at CMH Rawalpindi – December 15, 2015.
- Participated in Food and Nutrition Week, 2015, 03-07 November, 2015 at Pearl Continental Hotel, Lahore, Pakistan.
- Participated and Presented paper in 5th International Multidisciplinary Conference 29-31 Oct. 2015 organized by Science International
- Participated in International Conference on Nutritional Therapies against Lifestyle Related Disorders at National Institute of Food Science and technology, University of Agriculture Faisalabad, Pakistan
- Attended research workshop on "Using NVivo with Endnote for Easy Literature Review" organized by IRP, Pakistan. May 31, 2016.

Short Trainings

- Successfully completed the training of the National Outreach Program for Higher Education Faculty
- **Successfully completed ISO 22000 Lead Auditor course organized by SGS.**
- Successfully completed **Statistical Learning** online course offered by Stanford University.
- Successfully completed **Food Safety Training-Safe Practices and procedures** online course offered by ALISON.

Journal Reviewer

- Reviewer of Pharmacognosy Magazine
- Reviewer of Journal of Apicultural Research.

Distinctions

- Laptop was awarded by Punjab Government, Pakistan .
- Fuji foundation scholarship was awarded by Fuji foundation during undergraduate study.

Thesis

Separation and Identification of Flavonoids from *Carissa opaca*. (**M. Sc Thesis**).

Evaluation of Nutraceutical Potential of *Vitis vinifera* Grown in Pothohar and its Utilization (**Ph. D. Thesis**)

Publications

1. Ateeb, M., Asif, H.M., Ali, T., Baig, M.M., Arif, M.U., Farooq, M.I., **Kaleem, M.** and Shaukat, I., 2023. Photocatalytic and Antibacterial activities of bio-synthesised silver nanoparticles (AgNPs) using *Grewia asiatica* leaves extract. *International Journal of Environmental Analytical Chemistry*, pp.1-19.
2. Rasool, M., Baig, M.M., **Kaleem, M.**, Hassan, M., Riaz, L., Warsi, M.F. and Lee, S.G., 2024. Photocatalytic and adsorption behavior of a new efficient $\text{La}_x\text{Ni}_y\text{Mn}_3-(x+y)\text{O}_4/\text{SiO}_2$ composite for environmental remediation application. *Ceramics International*, 50(3), pp.4790-4809.
3. **Kaleem, M.**, Ahmad, A., Masud, T., & Raja, G. K. (2020). Physico-chemical analysis and optimization of ultrasound assisted extraction of phytochemicals from king's ruby grapes. *JAPS, Journal of Animal and Plant Sciences*, 30(1),

205-211.

4. **Kaleem, M.;** Ahmad, A.; Amir, R.M.; Kaukab Raja, G. Ultrasound-Assisted Phytochemical Extraction Condition Optimization Using Response Surface Methodology from Perlette Grapes (*Vitis vinifera*). *Processes* **2019**, *7*, 749.
5. Hafeez, A., Ahmad, A., Amir, R. M., & **Kaleem, M.** (2019). Quality evaluation of coconut–flaxseed balls enriched with chiaseeds. *Journal of Food Processing and Preservation*, e14184.
6. Ahmad, A., **Kaleem, M.**, Ahmed, Z., & Shafiq, H. (2015). Therapeutic potential of flavonoids and their mechanism of action against microbial and viral infections—A review. *Food Research International*, *77*, 221-235.
7. Shafiq, H., Ahmad, A., Masud, T., **Kaleem, M.**, Cardio-protective and anti-cancer therapeutic potential of *Nigella sativa*, *Iranian Journal of basic medical sciences* *17* (12), 967-979.
8. **Kaleem, M.** Ahmad, A., Khalid, S. Tauseef, M. A. (2016). "HPLC condition optimization for identification of flavonoids from *Carissa opaca*." *Science International* **28**(1): 343-348.
9. Shafiq, H., Iftikhar, F., Ahmad, A., **Kaleem, M.** & Sair, A. T. 2014. Effect of crystallization on the water activity of honey. *International Journal of Food and Nutritional Sciences (IJFANS)* Volume 3, Issue 3:01-06
10. Chatha, Z. A., Ahmad, A., Zahoor, T., Raza, A., and **Kaleem, M.** (2013). Effect of Gamma Irradiation, UV-Irradiation and Hot Water Treatment on Fungal Growth and Aflatoxin in Mango Fruits (*Mangifera indica* L.). *Pakistan Journal of Nutrition*. **12**: 1050-1056.

(Abstract Accepted)

11. Khalid, S. Ahmad, A. **Kaleem M.** (2017) Antioxidant capacity and phenolic contents of Ajwa Date and their effect on Lipo-Protein in Functional Foods and Bioactive Compounds in Health and Diseases: Science and practice held at San Diego Convention Centre, USA.
 12. Ahmad, A., **Kaleem, M.**, Khalid, S., (2015), Effect of beta glucan on glucose and lipoprotein profile, International Human Nutrition Conference, November 3-4, 2015 at Pearl Continental Hotel, Lahore. University of Veterinary and Animal Sciences Lahore, Pakistan
 13. **Kaleem, M.**, Ahmad, A., Khalid, S., (2016) Nutritional evaluation and phytochemical screening of wild plant *Carissa opaca* native to hilly areas of Murree and Kahuta, 14th National & 5th International Conference of Botany "Climate Change and Phytodiversity: Challenges and Opportunities" January 15-18, 2016 Department of Botany, University of Karachi, Pakistan
1. Mehmood, T., **Kaleem, M.**, Ahmad, Z., Waseem, M., Ahmad, B., Rehman, M. A., & Ahmad, I. (2022). Applications of Nanoemulsions in Food Manufacturing. In *Handbook of Research on Nanoemulsion Applications in Agriculture, Food, Health, and Biomedical Sciences* (pp. 448-465). IGI Global.
 2. Ahmad, A. , **Kaleem, M.** 2016. Diets and Bone Diseases. in: Wu, W. Diets and Diseases: Causes and Prevention. Nova Science Publishers. USA. pp. 7x10 - (NBC-C).
 3. **Kaleem, M.**, & Ahmad, A. (2018). Flavonoids as Nutraceuticals. In *Therapeutic, Probiotic, and Unconventional Foods* (pp. 137-155).
 4. Ahmad, A., & **Kaleem, M.** (2018). β -Glucan as a Food Ingredient. *Biopolymers for Food Design*, *20*, 351.

Personal

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References

- 1. Prof. Dr. Asif Ahmad**, Director, Institute of Food and Nutritional Sciences, PMAS-Arid Agriculture University, Rawalpindi. Email: asifahmad_1@yahoo.com, asifahmad@uaar.edu.pk Ph. +923345628182
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