

Mona Awad Alonazi
Associate Professor
Department Of Biochemistry
College Of Science, King Saud University
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Career objective:

To acquire a professor position in the college where I can share my knowledge and use my excellent teaching skills for the better development of the students. An experienced researcher with a Ph.D. in Biochemistry in the field of Protein Biochemistry, thus working hard towards achieving the goals of the Institution/ Organization and contributing to increasing scientific community.

Academic Qualifications:

- 2012-2016** Ph.D. in Biochemistry
School of Biomolecular and Biomedical Science (SBBS), University College Dublin, Ireland.

Dissertation Title: The Role of The Structural NADP⁺ Binding Site in Human Glucose-6-phosphate Dehydrogenase
Advisor: Professor. Paul Engel
- 2005-2009** M.Sc. in Biochemistry
Biochemistry Department, College of Science, King Saud University.

Thesis Title: Purification and Characterization of Alanine Dehydrogenase From the Fungus *Thielaviopsis paradoxa*
Advisor: Dr. Sooad Al-Daihan

Work Experiences:

Date	Work Experiences
2024- up to date	Head of the Partnerships and Alignments Unit at the Center of Excellence for Biotechnology Research
April 2022-- up to date	Associate professor Faculty of Biochemistry Department, College of Science, King Saud University. KSA.
2017- 2022	Assistant Professor Faculty of Biochemistry Department, College of Science, King Saud University. KSA.
2019- 2020	The head of protein unit, female research center, KSU
2017–2019	Head of Quality unit of College of Science College of Science, King Saud University. KSA
2012-2016	Ph.D. Researcher Protein Engineering and Biocatalysis group of Professor. Paul Engel, Conway Institute of Biomolecular and Biomedical research, University College Dublin, Ireland.

2012-2015	Demonstrator School of Biomolecular and Biomedical Science (SBBS), University College Dublin, Ireland.
2010-2011	Lecturer Biochemistry Department, College of Science, King Saud University. KSA.
2009-2010	Demonstrator Biochemistry Department, College of Science, King Saud University. KSA.
2005- 2009	M.Sc Researcher Biochemistry Department, College of Science, King Saud University. Riyadh, KSA

Professional Experiences:

Instructor in the Mawhiba Summer Program of the talent students 2016 at King Saud University in Riyadh in the period of 7/27-11-1438

Instructor in the Mawhiba Summer Program of the talent students 2011 at King Saud University in Riyadh in the period of 1/19-8-1432 .

Researcher and Interpersonal skills:

- Highly skilled and educated researcher in Biochemistry, with extensive experience in Protein Biochemistry, Enzyme Purification, Characterization and Molecular Biology.
- Worked closely with post-doctoral staff, lab technicians, and other researchers in a positive and dynamic atmosphere.
- Demonstrated aptitude to learn quickly and work independently.
- Computer Skill:
 - MS office.
 - Enzpack for determination of kinetic parameters of enzymes.
 - ChemDraw

Publications:

1. Alakbaree, M., Amran, S., Shamsir, M., Ahmed, H.H., Hamza, M., **Alonazi, M.**, Warsy, A. and Ab Latif, N., 2022. Human G6PD variant structural studies: Elucidating the molecular basis of human G6PD deficiency. *Gene Reports*, p.101634.
2. Al-Zahrani, S.A., Bhat, R.S., Al-Onazi, M.A., Alwhibi, M.S., Soliman, D.A., Aljebri, N.A., Al-Suhaibani, L.S. and Al Daihan, S., 2022. Anticancer potential of biogenic silver nanoparticles using the stem extract of *Commiphora gileadensis* against human colon cancer cells. *Green Processing and Synthesis*, 11(1), pp.435-444.
3. Alonazi, M., Karray, A., Jallouli, R. and Ben Bacha, A., 2022. Biochemical, Kinetic and Biological Properties of Group V Phospholipase A2 from Dromedary. *Molecules*, 27(11), p.3437.
4. Aljumaiah, Malak M., **Mona A. Alonazi**, Abeer M. Al-Dbass, Ahmad T. Almnaizel, Mohammed Alahmed, Dina A. Soliman, and Afaf El-Ansary. "Association of Maternal Diabetes and Autism Spectrum Disorders in Offspring: a Study in a Rodent Model of Autism." *Journal of Molecular Neuroscience* (2021): 1-10.
5. Kamal, S., Derbala, H. A., Alterary, S. S., Ben Bacha, A., **Alonazi, M.**, El-Ashrey, M. K., & Eid El-Sayed, N. N. (2021). Synthesis, Biological, and Molecular Docking Studies on 4, 5, 6, 7-Tetrahydrobenzo [b] thiophene Derivatives and Their Nanoparticles Targeting Colorectal Cancer. *ACS omega*, 6(43), 28992-29008
6. Alonazi MA, El Gezeery A, El-Ansary A, Bhat RS. Neurochemical Changes in the Brain After Fetal Exposure to Fluoxetine, A Serotonin Reuptake Inhibitor (SRI) in Rodents. *Current Proteomics*. 2021 Aug 1;18(4):499-504.

7. Albrahim T, **Alonazi MA**. Lycopene corrects metabolic syndrome and liver injury induced by high fat diet in obese rats through antioxidant, anti-inflammatory, antifibrotic pathways. *Biomedicine & Pharmacotherapy*. 2021 Sep 1;141:111831.
8. Ben Bacha A, Al-Orf N, **Alonazi M**, Bhat RS, El-Ansary A. The anti-inflammatory and antiapoptotic effects of probiotic on induced neurotoxicity in juvenile hamsters. *Food Science & Nutrition*. 2021.
9. Orfali R, Rateb ME, Hassan HM, **Alonazi M**, Gomaa MR, Mahrous N, GabAllah M, Kandeil A, Perveen S, Abdelmohsen UR, Sayed AM. Sinapic Acid Suppresses SARS CoV-2 Replication by Targeting Its Envelope Protein. *Antibiotics*. 2021 Apr;10(4):420.
10. Al suhaibani A., Ben Bacha, A., **Alonazi, M.**, Bhat, R.S., and El-Ansary, A., 2021. Testing the combined effects of probiotics and prebiotics against neurotoxic effects of propionic acid orally administered to rat pups. *Food Sci Nutr*. 2021;00:1–12.
11. El-Sayed, N. N., Al-Otaibi, T. M., **Alonazi, M.**, Masand, V. H., Barakat, A., Almarhoon, Z. M., & Ben Bacha, A. (2021). Synthesis and Characterization of Some New Quinoxalin-2 (1H) one and 2-Methyl-3H-quinazolin-4-one Derivatives Targeting the Onset and Progression of CRC with SRA, Molecular Docking, and ADMET Analyses. *Molecules*, 26(11), 3121.
- 12.
13. Alonazi, M., Karray, A., Badjah-Hadj-Ahmed, A.Y. and Ben Bacha, A., 2021. Alpha Amylase from *Bacillus pacificus* Associated with Brown Algae *Turbinaria ornata*: Cultural Conditions, Purification, and Biochemical Characterization. *Processes*, 9(1), p.16.
14. Karray, A., Alonazi, M., Horchani, H., & Ben Bacha, A. (2021). A Novel Thermostable and Alkaline Protease Produced from *Bacillus stearothermophilus* Isolated from Olive Oil Mill Sols Suitable to Industrial Biotechnology. *Molecules*, 26(4), 1139
15. Alonazi, M. A., Jemel, I., Moubayed, N., Alwhibi, M., El-Sayed, N. N. E., & Bacha, A. B. (2021). Evaluation of the in vitro anti-inflammatory and cytotoxic potential of ethanolic and aqueous extracts of *Origanum syriacum* and *Salvia lanigera* leaves. *Environmental Science and Pollution Research*, 28(16), 19890-19900.

Workshops

Member of the event management May 4-6 , 2010	4 th International Conference on Biomarkers in chronic diseases
3-5 /5/2011	١. حضور البرنامج التدريبي للفرق التنفيديه لبرامج موهبة الإثرائية الصيفيه المحليه في مدينة جده مؤسسة الملك عبدالعزيز و رجاله للموهبة و الابداع
2016/11/24-23	٢. ورشة إعداد الدراسة الذاتية تقيمها هيئة تقويم التعليم
2016 /12/29-28	٣. ورشة العمل الخاصة بمؤشرات الأداء والمقارنة المرجعية
1438 /07/29-28 (بواقع ٨ ساعات تدريبيه)	٤. - تطوير المهارات دوره في اساسيات القيادة الأكاديمية
19-18/3/1439 23-25/3/1439 29-30/3/1439 2/4/1439	٥. دورات الشهادة المهنيه لأعضاء هيئة التدريس الجدد - دورة تصميم و بناء المقرر الدراسي - دورة مهارات التدريس الجامعي الفعال - دورة تقييم مخرجات التعلم - دورة التدريس المصغر
2/11/2017	٦- ورشة اعداد الأسئلة قياس المركز الوطني لقياس
4-6/2/2018	Protein expression, isolation, purification and characterization course and workshop