

CURRICULUM VITAE

PERSONAL DATA

Name	Masha'el Abdullah Alghamdi
Nationality	Saudi
Position	Assistant professor
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EDUCATION

Year	Academic Degree	Institution
2020	PhD	Loyola University of Chicago
2013	Master	King Saud University
2008	Bachelor	King Saud University

WORK EXPERIENCE

Period	Position	Address
2021-present	Assistant Professor	Imam Mohammed Ibn Saud Islamic University
2021-2023	Deputy Head of Chemistry Department	Imam Mohammed Ibn Saud Islamic University
2013-2014	Lecturer	Imam Mohammed Ibn Saud Islamic University
2009-2010	Teaching Assistant	Imam Mohammed Ibn Saud Islamic University
2008-2009	Lab specialist	King Fahad medical city

RESEARCH INTERESTS

Protein Science, structural, functional, and computational studies.

PUBLICATIONS

- **Al-Ghamdi Mashaël**, Al-Ayadhi Laila, El-Ansary Afaf. Selected biomarkers as predictive tools in testing efficacy of melatonin and coenzyme Q on propionic acid - induced neurotoxicity in rodent model of autism. *BMC Neurosci.* 2014 Feb 25;15:34.
- Afaf El-Ansary, **Mashaël Al-Ghamdi**, Ramesa Shafi Bhat, Soad Al-daihan, and Laila Al-Ayadhi. Potency of pre–post treatment of coenzyme Q10 and melatonin supplement in ameliorating the impaired fatty acid profile in rodent model of autism. *Food Nutr Res.* 2016 Mar ; 60: 10.
- Faisal K Algethami, Maher Cherif, Salma Jlizi, Naoufel Ben Hamadi, Anis Romdhane, Mohamed R Elamin, **Mashaël A Alghamdi**, Hichem Ben Jannet. Design, Microwave-Assisted Synthesis and In Silico Prediction Study of Novel Isoxazole Linked Pyranopyrimidinone Conjugates as New Targets for Searching Potential Anti-SARS-CoV-2 Agents. *Molecules.* 2021 Jan; 26: 20.
- Faisal K Algethami, Mohamed R Elamin, Babiker Abdulkhair, Mohammed Al-Zharani, Nagib AS Qarah, **Mashaël A Alghamdi**. Fast fabrication of bismuth oxyiodide/carbon-nanofibers composites for efficient anti-proliferation of liver and breast cancer cells. *ZAAC.* 2021 Aug 02; 647: 19.
- **Mashaël A. Alghamdi**, Laila Y. AL-Ayadhi, Wail Hassan, Ramses shafi Bhat, Mona Alonazi, Afaf El-Ansary. Bee pollen and probiotics may alter brain neuropeptide levels in a rodent model of autism spectrum disorders. *Metabolites.* 2022 Jun 12; 562.
- **Mashaël A. Alghamdi**, Rania A. Hussien, Yuanzhang Zheng, Hiral A. Patel, Matías D. Asencion Diez, Alberto A. Iglesias, Dali Liu, and Miguel A. Ballicora. Site directed mutagenesis of Serine-72 reveals the location of the fructose 6-phosphate regulatory site of the *Agrobacterium tumefaciens* ADP-glucose pyrophosphorylase. *Protein Science.* 2022 Jul; 31: e4376.
- Afaf El-Ansary, Mona Al-Onazi, Abdulrahman M Alhowikan, **Mashaël A. Alghamdi**, Laila Al-Ayadhi. Assessment of a combination of plasma anti-histone autoantibodies and PLA2/PE ratio as potential biomarkers to clinically predict autism spectrum disorders. *Scientific Reports.* 2022 Aug 03; 12:13359.
- Meriem Hamlaoui, Ikram Hamlaoui, Maamar Damous, Youghourta Belhocine, Najoua Sbei, Fatima Adam Mohamed Ali, **Mashaël A Alghamdi**, Sarra Talab, Seyfeddine Rahali, Hocine Merazig. Synthesis of Two Novel Copper (II) Complexes as Potential Inhibitors of HIV-1 Protease Enzyme: Experimental and Theoretical Investigations. *Crystals.* 2022 Aug 12; 1066.
- Sami G Almalki, Youssef O Al-Ghamdi, Faisal K Algethami, Walid M Daoush, Bahauddeen M Alrfaei, Maisa Alanazi, Yaser E Alqurashi, **Mashaël A Alghamdi**,

Mahjoub Jabli. Copper oxide and ferrous oxide nanoparticles stabilized in Arabic gum biopolymer: Synthesis, characterization, and study of their reduction in viability for Lung Cancer Cell Lines (A549) and Human Embryonic Kidney (HEK293T). Inorganic Chemistry Communications. 2023 Feb 28; 110582.