

CURRICULUM VITAE

PERSONAL DATA

Name	Maroua Elmouldi Jalouli
Nationality	Tunisian
Position	Assistant Professor
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EDUCATION

Year	Academic Degree	Institution
2007	Bachelor Degree in Life Sciences	College of Sciences, University of Gafsa-Tunisia
2010	Master in Cell and Molecular Biology	Faculty of Medicine, University of Laval, Quebec, Canada
2018	PhD in Cell and Molecular Biology	Faculty of Medicine, University of Laval, Quebec, Canada

WORK EXPERIENCE

Period	Position	Address
2019-2021	Postdoctoral Research fellow	College of Sciences, King Saud University, Riyadh
2021-2022	Guest Assistant Professor	College of Sciences, King Saud University, Riyadh
2022-2023	Assistant Professor	Department of Biology, College of Science, Imam Mohammad Ibn Saud Islamic University

RESEARCH INTERESTS

- Signal transduction
- Cell death pathways
- Cell proliferation pathways
- Gene expression and regulation

- Cancer research
- Genomics
- Proteomics
- Developmental Biology

PUBLICATIONS

1. Alghanem B., Mansour F., Shaibah H., Almuhalhil K., Almourfi F., Alamri H., Alajmi H., Rashid M., Alroqi F., **Jalouli M.**, Harrath A.H., Boudjellal M., Barhoumi T. (2023) Quantitative proteomics analysis of COVID-19 patients: Fetuin-A and tetranectin as potential modulators of innate immune responses. *Heliyon*, 2023 Apr;9(4):e15224.
2. Mufti A., **Jalouli M.**, Nahdi S., Tlili N., Alqahtani W., Mansour L., Alwasel S. & Harrath A.H. (2023) Maternal Exposure to Acephate Caused Nephrotoxicity in Adult Offspring Rats Mediated by Excessive Autophagy Activation, Oxidative Stress Induction, and Altered Epithelial Sodium Channel and Na⁺/K⁺-ATPase Gene Expression. *Biology* 12, 162.
3. Alqahtani W., Mufti A., Aldawood N., Alshamrani A., Nahdi S., Aldahmash W., **Jalouli M.**, Feriani A., Mansour L., Tlili N., Alwasel S., Harrath A.H. (2023) Autophagy activation, histopathological damage, and altered renal epithelial sodium channel and Na⁺, K⁺-ATPase gene expression in offspring kidney after in utero exposure to allethrin. *Journal of King Saud University-Science*, 35 (3), 102575.
4. Aldawood N., **Jalouli M.**, Alrezaki A., Nahdi S., Alamri A., Alanazi M., Manoharadas S., Alwasel S. & Harrath A.H. (2022) Fetal programming: in utero exposure to acrylamide leads to intergenerational disrupted ovarian function and accelerated ovarian aging. *Aging (Albany NY)* 14, 6887.
5. Allagui I., Horchani M., Zammel N., **Jalouli M.**, Elfeki A., Kallel C., Mansour L., Alwasel S., Harrath A.H. & Jannet H.B. (2022) Phytochemical Characterization, Antioxidant and Anti-Inflammatory Effects of *Cleome arabica* L. Fruits Extract against Formalin Induced Chronic Inflammation in Female Wistar Rat: Biochemical, Histological, and In Silico Studies. *Molecules* 28, 26.
6. Anifowose S.O., Alqahtani W.S., Al-Dahmash B.A., Sasse F., **Jalouli M.**, Aboul-Soud M.A., Badjah-Hadj-Ahmed A.Y. & Elnakady Y.A. (2022) Efforts in Bioprospecting Research: A Survey of Novel Anticancer Phytochemicals Reported in the Last Decade. *Molecules* 27, 8307.
7. Harrath A.H., Alrezaki A., **Jalouli M.**, Al-Dawood N., Dahmash W., Mansour L., Sirotkin A. & Alwasel S. (2022a) Benzene exposure causes structural and functional damage in rat ovaries: occurrence of apoptosis and autophagy. *Environmental Science and Pollution Research* 29, 76275-85.
8. Harrath A.H., Alrezaki A., **Jalouli M.**, Aldawood N., Aldahmash W., Mansour L. & Alwasel S. (2022b) Ethylbenzene exposure disrupts ovarian function in Wistar rats via altering folliculogenesis and steroidogenesis-related markers and activating autophagy and apoptosis. *Ecotoxicology and Environmental Safety* 229, 113081.
9. Tizaoui K., **Jalouli M.**, Boujelbene N., Harrath A.H., Ouzari H.I., Rizzo R. & Zidi I. (2022a) The relationship of 3' UTR HLA-G14-bp insertion/deletion and +3142 C/G polymorphisms and soluble HLA-G expression with gynecological cancers: An updated meta-analysis. *Immunity, Inflammation and Disease* 10, e645.

10. Tizaoui K., **Jalouli M.**, Ouzari H.-i., Harrath A.H., Rizzo R., Boujelbene N. & Zidi I. (2022b) 3' UTR-HLA-G polymorphisms and circulating sHLA-G are associated with breast cancer: Evidence from a meta-analysis. *Immunology Letters* 248, 78-89.
11. Uddin M.S., Kabir M.T., **Jalouli M.**, Rahman M.A., Jeandet P., Behl T., Alexiou A., Albadrani G.M., Abdel-Daim M.M., Perveen A. & Ashraf G.M. (2022) Neuroinflammatory Signaling in the Pathogenesis of Alzheimer's Disease. *Curr Neuropharmacol* 20, 126-46.
12. **Jalouli M.**, Mofti A., Elnakady Y.A., Nahdi S., Feriani A., Alrezaki A., Sebei K., Bizzarri M., Alwasel S. & Harrath A.H. (2022) Allethrin Promotes Apoptosis and Autophagy Associated with the Oxidative Stress-Related PI3K/AKT/mTOR Signaling Pathway in Developing Rat Ovaries. *International Journal of Molecular Sciences* 23, 6397.
13. Bizzarri M., Fedeli V., Monti N., Cucina A., **Jalouli M.**, Alwasel S.H. & Harrath A.H. (2021) Personalization of medical treatments in oncology: time for rethinking the disease concept to improve individual outcomes. *EPMA Journal*, 1-14.
14. Abdel-Daim M.M., Abdeen A., **Jalouli M.**, Abdelkader A., Megahed A., Alkahtane A., Almeer R., Alhoshani N.M., Al-Johani N.S., Alkahtani S. & Aleya L. (2021) Fucoidan supplementation modulates hepato-renal oxidative stress and DNA damage induced by aflatoxin B1 intoxication in rats. *Sci Total Environ* 768, 144781.
15. Aissa I., Abdelkafi-Koubaa Z., Chouaib K., **Jalouli M.**, Assel A., Romdhane A., Harrath A.H., Marrakchi N. & Ben Jannet H. (2021) Glioblastoma-specific anticancer activity of newly synthesized 3,5-disubstituted isoxazole and 1,4-disubstituted triazole-linked tyrosol conjugates. *Bioorg Chem* 114, 105071.
16. Harrath A.H., **Jalouli M.**, Oueslati M.H., Farah M.A., Feriani A., Aldahmash W., Aldawood N., Al-Anazi K., Falodah F., Swelum A. & Alwasel S. (2021) The flavonoid, kaempferol-3-O-apiofuranosyl-7-O-rhamnopyranosyl, as a potential therapeutic agent for breast cancer with a promoting effect on ovarian function. *Phytother Res* 35, 6170-80.
17. Hasana S., Hossain M.F., **Jalouli M.**, Kabir M.T., Uddin M.G., Wahed M.I.I., Behl T., Bin-Jumah M.N., Abdel-Daim M.M., Aleya L. & Uddin M.S. (2021) Genetic Diversity of SARS-CoV2 and Environmental Settings: Possible Association with Neurological Disorders. *Mol Neurobiol* 58, 1917-31.
18. **Jalouli M.**, Mokas S., Turgeon C.A., Lamalice L. & Richard D.E. (2017) Selective HIF-1 Regulation under Nonhypoxic Conditions by the p42/p44 MAP Kinase Inhibitor PD184161. *Mol Pharmacol* 92, 510-8.
19. Semlali A., **Jalouli M.**, Parine N.R., Al Amri A., Arafah M., Al Naeem A., Abdullah Ajaj S., Rouabhia M. & Alanazi M.S. (2017) Toll-like receptor 4 as a predictor of clinical outcomes of estrogen receptor-negative breast cancer in Saudi women. *Onco Targets Ther* 10, 1207-16.
20. **Jalouli M.**, Dery M.A., Lafleur V.N., Lamalice L., Zhou X.Z., Lu K.P. & Richard D.E. (2014) The prolyl isomerase Pin1 regulates hypoxia-inducible transcription factor (HIF) activity. *Cell Signal* 26, 1649-56.
21. **Jalouli M.**, Lapierre L.R., Guerette D., Blais K., Lee J.A., Cole G.J. & Vincent M. (2010) Transitin is required for the differentiation of avian QM7 myoblasts into myotubes. *Dev Dyn* 239, 3038-47.