

CURRICULUM VITAE
Updated 10/02/2026
ALKAHTANI, SAAD HUSSIN S

Objective: Zoological research position - Cytogenetic- Molecular Genetic - Apoptosis

Contact data: P.O. Box 2455, Riyadh 11451, Tel +966505233673

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Personal information:

Nationality: Saudi, Marital status: Married. Birthday: 23-09-1698

Web of Science: <https://www.webofscience.com/wos/author/record/AAL-3748-2020>

Web of Science Researcher-ID: AAL-3748-2020 & h-index: 48

Google Scholar: <https://scholar.google.com/citations?hl=ar&user=zPYZKyAAAAAJ> & h-index: 54

Citation: One of the world's Top 2% Scientists in 2024 and 2025

Patents: 1- A COMPOSITION AND METHOD FOR PREPARING TABLETS USING BASELLA ALBA L. STEM POLYSACCHARIDE AS BINDER.
 2- A PROCESS FOR PREPARATION OF SUSTAINED-DRUG RELEASE BEADS BY IONOTROPIC GELATION AND ITS COMPOSITION THEREOF.

Publications indexed in Web of Science: 317

Work Shops and Training Programmes: over 50

Conferences: 31

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Website: <https://faculty.ksu.edu.sa/ar/salkahtani>

Education:

Degree	Dates Attended	Name of Institution	Field of Study	City Country
Ph. D of Science*	2003-2007	King Saud university	Cytogenetic	Riyadh (KSA)
Master of Science**	1997-2000	King Saud university	Histology, Histochemistry	Riyadh (KSA)
Bachelor of science	1988-1992	King Saud university	Zoology	Riyadh (KSA)
Diploma of education	1995-1996	King Saud university	Education	Riyadh (KSA)

Work experience:

- March 1992-Sep 2004: Biology teacher.
- Oct 2004–Dec 2007: lecturer in biology department, teachers’ college-KSU. Riyadh.
- Dec 2007- Sep 2011: assistant professor, biology department, teachers’ college-KSU. Riyadh.
- Sep 2011 – Sep 2012: associate professor in science department, teachers’ college-KSU. Riyadh.
- Dec 2010- Sep 2012: director of research center.
- Sep 2011 – Oct 2012: vice dean of development and quality teachers’ college-KSU. Riyadh.
- Sep 2015 – Present: full professor, zoology department, science college-KSU. Riyadh.
- Dec 2013 – Present: part-time consultant in ministry of education, equivalence of certificates.
- Aug 2017- present: director of research center, science college-KSU. Riyadh.
- July 2018- present: member of scientific research ethic committee-KSU. Riyadh.

Skills and interests:

* I have significantly evaluated my practical and laboratory skills and I am now experienced with many biological techniques such as:

Histological microtechniques.

Cell culture technique.

DNA: Isolation, purification, cloning, sequencing, electrophoresis and RFLP-analysis.

RNA: Isolation and cDNA-synthesis.

Normal PCR.

Reverse transcription PCR.

Quantitative real-time PCR.

MACS (Magnetic activated cell sorting)-analysis.

Flow cytometry technique.

Western blotting technique.

ELISA technique.

cytogenetic assays techniques.

Protein array.

Financed projects as PI

- Steroid-induced apoptotic responses in colon cancer. 11-MED-1665-02. 2011-present.
- Research groups project. RGP.VVP-018. 2010-2011.
- Research groups project. RGP.VVP-018. 2013-2014.
- Photolysis of chemically sensitized Leishmania for therapy and prophylaxis. 12-MED2681-02.
- Physiological and pathophysiological significance of chorein. 14MED1893-02.
- The novel oncogene KDM2B in the epigenetic regulation of the cytoskeleton.

Financed projects as CoI

- Research groups project. RGP.VVP-012. 2010-2011.
- The role of Rho family GTPases in Human Cytomegalovirus (HCMV) infection and pathogenesis. 12-MED2652-02.
- Effect of antioxidants food supplements against chlorpyrifos-induced toxicity in rats.
- Assessment of Therapeutic and Nutritional Effect of Some Medicinal Plant from Saudi Habitats.
- Green Synthesis of Nano-carrier and Evaluation of Novel Metallic Nano-carriers as Anti-Breast Cancer Drug.
- Anti-COVID-19 drug discovery from natural products and used drugs by an *in-silico* approach
- Development of an *in vitro* and safe model of infection to test Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) and associated immune response
- Potential anti-cancer effect of ivermectin in colon cancer (CaCo2) cell line.

Arabic Books

- 1- Saad Alkahtani (2012). Cell biology and Genetics. King Saud University, Riyadh, Saudi Arabia. Pp289.
- 2- Saad Alkahtani (2018). Apoptosis. King Saud University, Riyadh, Saudi Arabia. Pp190.
- 3- Saad Alkahtani (2018). Molecular genetics. Molecular genetics (gene expression). King Saud University, Riyadh, Saudi Arabia. Pp330.

English Books:

- 1- Md Saquib Hasnain, Syed Anees Ahmed, Saad Alkahtani, Milan Milivojevic, Chandi Charan Kandar, Amal Kumar Dhara, and Amit Kumar Nayak. (2020). Biopolymers for Drug Delivery. ISSN 2662-4761 ISSN 2662-477X (electronic) Advances in Material Research and Technology ISBN 978-3-030-46922-1 ISBN 978-3-030-46923-8 (eBook) <https://doi.org/10.1007/978-3-030-46923-8> © Springer Nature Switzerland AG 2020.
- 2- Md Saquib Hasnain, Ehtesham Jameel, Bulu Mohanta, Amal Kumar Dhara, Saad Alkahtani and Amit Kumar Nayak. (2020). Alginates: sources, structure, and properties (Chapter-1). Alginates in Drug Delivery. ISBN: 978-0-12-817640-5. Copyright © 2020. AP-Academic press. Elsevier Inc.

- 3- Md Saquib Hasnain, Syed Anees Ahmed, Anindita Behera, Saad Alkahtani, Amit Kumar Nayak. (2020). Inorganic materials_alginate composites in drug delivery (Chapter-10). Alginates in Drug Delivery. ISBN: 978-0-12-817640-5. Copyright © 2020. AP-Academic press Elsevier Inc.