

# ABEER MOHAMMED BIN BEAGAN

## CURRENT POSITION: ASSISTANT PROFESSOR.

Address Physical Chemistry, Chemistry department, College of Science, King Saud University, Female campus, Building 5.

e-mail [abeagan@KSU.EDU.SA](mailto:abeagan@KSU.EDU.SA)

URL <http://fac.ksu.edu.sa/abeagan/home>

## EDUCATION

2009-2016 PhD, (King Saud University) (supervisor: Dr TAIEB ALI AOUAK) - *Synthesis and Characterization of Drug Grafted on Monomers and Polymers for Application in Drug Release Domain.*, 2016.

2002-2006 Master in Chemistry, (King Saud University), specialisation in chemistry, (supervisor: Dr. waffa kottob - Effect of addition of polymers on the electrochemical and rheological properties of bentonite suspension used in drilling fluids, King Saud University, 2006

1998-2002 Bachelor's degree in Chemistry, King Saud University, 2002.

## PROFESSIONAL EXPERIENCE

2016-present ASSISTANT PROFESSOR in Physical Chemistry at King Saud University

2010-2016 Lecturer in Physical Chemistry at King Saud University.

2009-2010 Demonstrator in Chemistry at King Saud University.

2016 Training the participating Chemistry team in the Summer Forum of the International Olympiad of the King Abdulaziz and His Companions Foundation for Giftedness and Creativity

2013 Training the nominated Saudi teams to participate in the International Olympiad (King Abdulaziz and His Companions Foundation for Giftedness and Creativity)

2006 and 2007 Teaching talented students within the summer programs of the King Abdulaziz and His Companions Foundation for Giftedness and Creativity

## MEMBERSHIP OF SCIENTIFIC SOCIETIES

2000-present Member at Saudi Chemical Society.

## TEACHING ACTIVITIES

2017 Polymers making big ones out of little ones.

2019 Webinar with title (How to Achieve Your Goals No Matter How Impossible You Think It Is).

## CONFERENCE ATTENDANCE AND TRAINING:

2018 Attend a training program on "Cloud storage" for 4 hours- Deanship of Skills Development, King Saud University.

2018 Attend a training program on "Using Technology in college Teaching (Blackboard)" for 12 hours- Deanship of Skills Development, King Saud University.

2018 Participate in chemistry club of my life about the presentation of the role (graduate research)

2018 Participate in the first meeting with graduate students- Chemistry Department, King Saud University.

2018 Participate in the scientific research forum for two days- College of Science, King Saud University.

2018 Participate in organizing the activities of the Saudi Chemical Society for one year- Saudi Chemical Society.

<b>2017</b>	Attend the foundation Course for new King Saud University faculty members.
<b>2016</b>	Attend program in (the first Aid and Safety) at King Saud University for 2 days
<b>2016</b>	Attend workshop on the (Theory and interpretation of electrochemical Impedance Spectroscopy" at King Saud University during 2days
<b>2009</b>	Attend the Nanotechnology Conference.
<b>2007</b>	Attendance of the Third Saudi Conference of Sciences (3 days).
<b>2007</b>	Attend the meeting of Giftedness programs leaders (King Abdulaziz and His Companions Foundation for Giftedness and Creativity).
<b>2005</b>	Attend a training program on "research methods" (4 months)- King Saud University.
<b>2005</b>	Attend a workshop on how to write a scientific paper- Princess Nourah bint Abdulrahman University.
<b>2004</b>	Attending chemistry and industry conference (5 days).
<b>2004</b>	Attend the first aid course from the Saudi Society of Anesthesiology.
<b>2004</b>	Attending a seminar in teaching chemistry in the general education level (3 days) - Saudi Chemical Society.
<b>2002</b>	Participate in safety workshop- King Saud University.

#### LIST OF PUPICATIONS:

1-Layla A. Al Juhaïman, WafaaK.Mekhamer and **Abeer M. Al-Boajan**, Effect of poly(vinyl)pyrrolidone on the zeta potential and water loss of raw and Na-rich, Saudi bentonite, Surf. Interface Anal, 42, 2010

2-W. K. Mekhamer , L.A. Al Juhaïman and **A. Al-Boajan**, Effect of Sulphanilamide adsorption on zeta potential and water loss of Raw and Na-activated bentonite, International Journal of Basic & Applied Sciences IJBAS-IJENS , 12, 2012

**3-Mekhamer, W.K., Al Juhaïman, L.A. and Al-Boajan, A.M**, Effect of Sulphanilamide Adsorption on Zeta Potential and Water Loss of Raw and Na-Activated Bentonite, International Journal of Basic & Applied Sciences , 12, 2012

**4.Abeer Muhamad Beagan**, TaiebAouak, Layla AbdulkarimAlJuhaïman,AbdelbassetAlodainy&WassimSharaf Saeed. Poly(2-hydroxyethylmethacrylate-graft-folic acid),synthesis, solubility enhancement, and releasedynamic of folic acid. Designed Monomers and Polymers.2016

**5.Abeer M. Beagan**, TaiebAouak, Layla A. AlJuhaïman, Abdelbasit Mohammed Alodainy, WaseemSharaf Saeed & Mohamed OuladSmane.Poly(2-hydroxyethylmethacrylate-co-2-folate ethylmethacrylate) and Folic acid/Poly(2-hydroxyethylmethacrylate) Solid Solution: Preparation and Drug Release Investigation. Polymer-Plastics Technology and Engineering.2017

6-Maged N. Shaddad, Prabhakarn Arunachalam, Asma A. Alothman, **Abeer M. Beagan**, Matar N. Alshalwi,Abdullah M. Al-Mayouf"Synergetic catalytic behavior of AgNi-OH-Pi nanostructures on Zr:BiVO<sub>4</sub>photoanode for improved stability and photoelectrochemical water splitting performance"Journal of Catalysis 371 , 10–19,2019

