

ABEER MOHAMMED BIN BEAGAN

CURRENT POSITION: ASSISTANT PROFESSOR.

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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.

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

LIST OF PUBLICATIONS:

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 OuladSmame.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:BiVO₄photoanode for improved stability and photoelectrochemical water splitting performance"Journal of Catalysis 371 , 10–19,2019

7- Abdullah M Alswieleh 1,^{*,†}, **Abeer M Beagan 1,†**, Bayan M Alsheheri, Khalid M Alotaibi, Mansour D Alharthi and Mohammed S Almeataq ,” Hybrid Mesoporous Silica Nanoparticles Grafted with 2-(tert-butylamino)ethyl Methacrylate-b-poly(ethylene Glycol) Methyl Ether Methacrylate Diblock Brushes as Drug Nanocarrier” Molecules , 25, 195,2020 .

8- Mohd. Muddassir 1,^{*}, Mohammad Usman 2, Abdullah Alarifi 1, Mohd. Afzal 1,Khulud Abdullah Alshali 1, **Abeer Beagan** 1 , Abhinav Kumar 3, Naaser A. Y. Abduhd 1 andMusheer Ahmad."Experimental Sensing and DFT Mechanism of Zn(II)Complex for Highly Sensitive and Selective Detection of Aceton” crystals,10,34,2020.

9-**Abeer M. Beagan**.” Cholesterol-Functionalized Mesoporous Silica Nanoparticles for Removal of Naphthalene from Water”. Accepted

10-**Abeer M Beagan**.” Investigating Methylene Blue Removal from Aqueous Solution by 2 Cysteine Functionalized Mesoporous Silica”. Accepted

11-Abdullah M. Alswieleh, Mufleh M. Alshahrani, Khalid E. Alzahrani, Hamdan S. Alghamdi, Abdurahman A Niazy, Abdulilah S Alsilme, **Abeer M. Beagan**,Bayan M. Alsheheri, Abdulaziz A. Alghamdi & Mohammed S. Almeataq.” Surface modification of pH-responsive poly(2-(tertbutylamino) ethyl methacrylate) brushes grafted on mesoporous silica nanoparticles”. Designed Monomers and Polymers,2019, VOL. 22, NO. 1, 226–235.

12-**Abeer M. Beagan** 1,^{*,†}, Ahlam A. Alghamdi, Shatha S. Lahmadi 1, Majed A. Halwani, Mohammed S. Almeataq , Abdulaziz N. Alhazaa , Khalid M. Alotaibi and Abdullah M. Alswieleh.” Folic acid-terminated poly (2- diethyl amino ethyl 2 methacrylate) brush -gated magnetic mesoporous nanoparticles as smart drug delivery system”. Polymers 2020, 12

13-Abdullah M Alswieleh 1,^{*,ξ}, Hajar Y Albahar 1, Amal M Alfawaz, Abdulilah S Alsilme, **Abeer M Beagan** 1, Ali M Alsilme 1, Mohammed S Almeataq 2, Ahmed Alshahrani 2 and Khalid M Alotaibi.” Evaluation of the adsorption efficiency of glycine-, 2 iminodiacetic acid -, and amino propyl- functionalised silica nanoparticles for the removal of potentially toxic elements from contaminated water solution”.Accepted.

14-**Abeer Beagan** 1,* ,y , Shatha Lahmadi 1, Ahlam Alghamdi 1, Majed Halwani 2 ,Mohammed Almeataq 3, Abdulaziz Alhazaa 4 , Khalid Alotaibi 1 and Abdullah Alswieleh.” Glucosamine Modified the Surface of pH-Responsive Poly(2-(diethylamino)ethyl Methacrylate) Brushes Grafted on Hollow Mesoporous Silica Nanoparticles as Smart Nanocarrier”. Polymers 2020, 12, 2749.

15-Mohd. Muddassir, * Abdullah Alarifi, Mohd Afzal, Khulud Abdullah Alshali, Naaser A. Y. Abduh and **Abeer Beagan**.” A fluorescent Cu(II) complex as a dual functional sensor for selective and sensitive detection of acetone and Cd(II) pollutants. RSC Adv., 2020, 10, 42137–42146