

## Curriculum Vitae

### Dr. Ayoub Abdullah Abdo Alqadami



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**World's Top 2% Scientists in 2022 released by Stanford**

#### University Academic Degrees:

##### 1) Ph.D. in Analytical Chemistry

**Date of obtaining degree:** 2/4/2019 (GPA: 4.89/5.00).

**Title of Ph.D. dissertation:** *"Synthesis and characterization of nanocomposites based on magnetite and their application for water purification"*

##### 2) M.Sc. in Analytical Chemistry

**University location (City, Country):** Riyadh, Saudia Arabia

**Date of obtaining degree:** 16/7/2013 (GPA: 4.86/5.00).

**Title of M.Sc. dissertation:** *"Extraction and determination of toxic heavy metals in skin whitening cosmetics using multiwalled carbon nanotubes and inductively coupled plasma atomic emission spectroscopy"*

##### 3) B.Sc. in Chemistry

**University:** Sana'a University      **College:** Faculty of Applied science

**University Location (City, Country):** Sana'a, Yemen

**Date of obtaining degree:** 6/2003 (GPA **90.68%** with honor degree)

#### Employment History:

- **2020** – till now **Assistant Professor**, Department of Pharmacy, Faculty of Medicine and Health Sciences, Al-Razi University, Yemen.
- **Researcher A**, Department of Chemistry, King Saud University, Riyadh, Saudi Arabia, during study of **M.Sc.** and **Ph.D (2010- 2019)**.
- **Teaching Assistant** at College of Education and Applied Science - Sana'a, Amran, and Hajjah Universities from **(2003 - 2009)**.
- **Teaching Assistant** at Alsapah School - Yemen - from **(2003-2005)**.

#### Research interests:

My research interest is focused on the :

- **Synthesis of Nanomaterials** such as Metal Organic Framework, Magnetite Metal Organic Framework, Magnetic Nanocomposite, Magnetite nanoparticles, magnetic biochar, Biomass and Modified Activated carbon.
- **Detection and removal of inorganic and organic pollutants from aqueous solution** (water purification): Applied prepared nanocomposites based on materials for water treatments, and removal of organic and inorganic contaminants in wastewater. Quantitatively and qualitatively testing their concentrations by atomic absorption spectrometer, inductively coupled plasma-mass spectrophotometer, UV-Visible spectrophotometer.

- **Characterize of prepared nanomaterial by techniques such as:** Fourier transform infrared (FT-IR), X-ray photoelectron spectroscopy (XPS), scan electron microscope (SEM), energy dispersed X-ray (EDX), BET surface area, X-ray diffraction (XRD), transmittance electron microscope (TEM), and vibrating sample magnetometer (VSM).

### Scholarship and awards:

- Scholarship offered by Amran University to study M.Sc. degree in Saudi Arabia 2010/2013
- Scholarship offered by Hajjah University to study Ph.D. degree in Saudi Arabia 20013/2019
- **King Saud University Scientific Excellence Award (First) for Student Research Excellence Award (2018).**
- Research Center Award for Student Research (2018).
- Deanship of the Faculty of Science Award for Student Research Excellence )2018(.

### Teaching Experience:

King Saud University, Saudi Arabia (Researcher A) (2010-2019)			
<b>Courses taught</b>	Practical General Chemistry 101	Practical Analytical Chemistry	
Al-Razi University, Yemen (2020-2023)			
<b>Courses taught</b>	General Chemistry General Chemistry (Practical) Pharmaceutical Analytical Chemistry	Analytical Chemistry 1 Analytical Chemistry ( Practical) 2	Analytical Chemistry Analytical Chemistry (Practical)
	Analytical Chemistry 3 Analytical Chemistry (Practical)	Physical chemistry	

University of Science and Technology, Faculty of Medicine & Health Science, Department of Clinical

### Career highlights:

- **Total No. of Research papers published 55**
- **Total No. of Patents published 05**
- **Total citation 3955**
- **H index 27**
- **I-10 index 36**

**Google scholar**

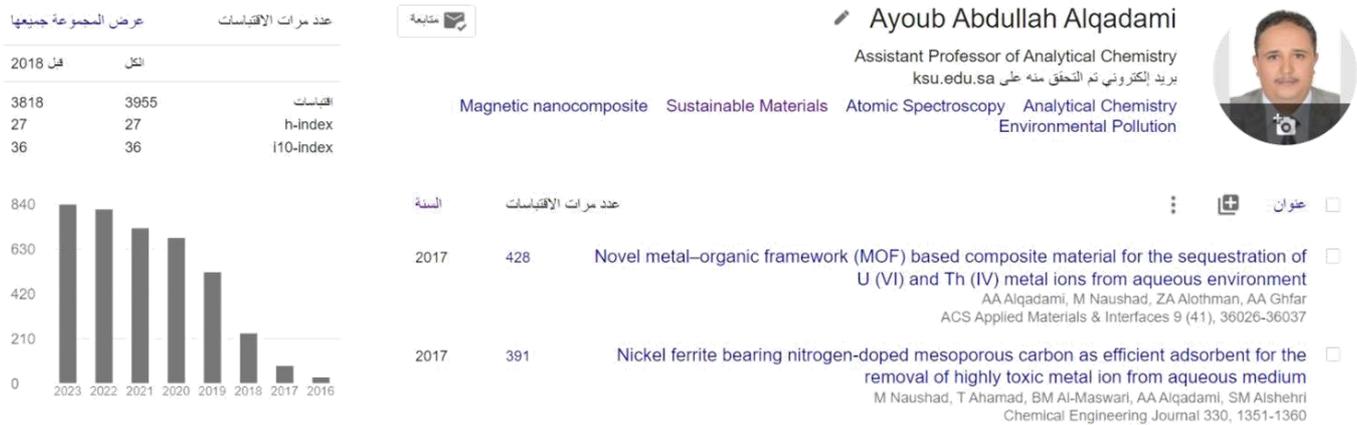
<https://scholar.google.com/citations?user=VnmjWa0AAAAJ&hl=ar>

**ORCID**

<https://orcid.org/0000-0002-4527-0931>

**Research gate**

<https://www.researchgate.net/profile/Ayoub-Alqadami-2>



## Patents:

- 1) **Ayoub Abdullah Alqadami**, Moonis Ali Khan, Zeid Abdullah Allothman Magnetic polymer nanocomposite for removal of divalent heavy metal ions from water. **United States Patent 10,245,576B1, 2019/4/2. Published**
- 2) Mu Naushad, **Ayoub Abdullah Alqadami**, Tansir Ahamad, Zeid Abdullah Allothman, Saad M Alshehri, Carboxylic functionalized magnetic nanocomposite, **United States Patent 9987617, 2018/6/5. Published**
- 3) Moonis Ali Khan, **Ayoub Abdullah Alqadami**, Masoom Raza Siddiqui, Zeid Abdullah Allothman Synthesis of hydrochar from jackfruit. **United States Patent 10,245,576B1, 2020/2/11. Published**
- 4) Mu Naushad, Tansir Ahamad, **Ayoub Abdullah Alqadami**, Zeid Abdullah Allothman, Saad M Alshehri, Wastewater treatment, removal of dyes using waste melamine-formaldehyde dishes **United States Patent 11,618,004, 2023/4/4. Published.**
- 5) Moonis Ali Khan, Ayoub **Abdullah Alqadami**, Zeid Abdullah Allothman Magnetic hydrochar synthesized from microalgal biomass. Submitted (**November 5, 2020**)

## Research publications:

- 1) J.S. Algethami, M.A.M. Alhamami, **A.A. Alqadami**, S. Melhi, A.F. Seliem, Adsorptive performance of a new magnetic hydrochar nanocomposite for highly efficient removal of cadmium ions from water: Mechanism, modeling, and reusability studies, Environ Technol Innov. 32 (2023) 103404. (Impact Factor **7.1**), **Q1**.
- 2) I.H. Alsohaimi, M.S. Alhumaimess, **A.A. Alqadami**, H.M.A. Hassan, Q. Chen, M.S. Alamri, M.M.J. Alanzi, T.S. Alraddadi, Chitosan-carboxylic acid grafted multifunctional magnetic nanocomposite as a novel adsorbent for effective removal of methylene blue dye from aqueous environment, Chem Eng Sci. 280 (2023) 119017. (Impact Factor **4.7**), **Q1**.
- 3) Moonis Ali Khan, **Ayoub Abdullah Alqadami**, Saikh Mohammad Wabaidur, Byong-Hun Jeon. Co-Carbonized Waste Polythene/Sugarcane Bagasse Nanocomposite for Aqueous Environmental Remediation Applications, Nanomaterials(2023). . (Impact Factor **5.719**), **Q1**.
- 4) **A.A. Alqadami**, S.M. Wabaidur, B.-H. Jeon, M.A. Khan, Co-hydrothermal valorization of food waste: process optimization, characterization, and water decolorization application, Biomass Conversion and Biorefinery. (2023). <https://doi.org/10.1007/s13399-022-03711-7>. (Impact Factor **4.103**), **Q1**.
- 5) I. Hotan Alsohaimi, M.S. Alhumaimess, **A. Abdullah Alqadami**, G. Tharwi Alshammari, R. Fawzy Al-Olaimi, A.A. Abdeltawab, M.Y. El-Sayed, H.M. Hassan, Adsorptive performance of aminonaphthalenesulfonic acid modified magnetic-graphene oxide for methylene blue dye:

Mechanism, isotherm and thermodynamic studies, *Inorganic Chemistry Communications*. 147 (2023) 110261. (Impact Factor **9.136**), **Q1**.

- 6) H. Majdoubi, **A.A. Alqadami**, R.E. Billah, M. Otero, B.-H. Jeon, H. Hannache, Y. Tamraoui, M.A. Khan, Chitin-Based Magnesium Oxide Biocomposite for the Removal of Methyl Orange from Water, *International Journal of Environmental Research and Public Health*. 20 (2023). (Impact Factor **4.799**), **Q1**.
- 7) Algethami JS, **Alqadami AA**, Melhi S, et al (2022) Sulfhydryl Functionalized Magnetic Chitosan as an Efficient Adsorbent for High-Performance Removal of Cd(II) from Water: Adsorption Isotherms, Kinetic, and Reusability Studies. *Adsorption Science & Technology* 2022:2248249., (Impact Factor **4.232**), **Q1**.
- 8) Hassan HMA, Betiha MA, Alhumaimess MS, **Alqadami AA** (2022) Phosphotungestic acid and manganese containing periodic mesoporous organosilica with imidazolium ionic liquid framework: A robust and durable nanocomposite for desulfurization of aromatic sulfur in diesel fraction. *Separation and Purification Technology* 298:121624., (Impact Factor 7.321), **Q1**.
- 9) Shareefa Ahmed Alshareef, **Ayoub Abdullah Alqadami**, Moonis Ali Khan, Hamdah S Alanazi, Masoom Raza Siddiqui, Byong-Hun Jeon, Simultaneous co-hydrothermal carbonization and chemical activation of food wastes to develop hydrochar for aquatic environmental remediation. *Bioresource Technology*. Volume 347, March 2022, 126363, . (Impact Factor 9.642), **Q1**.
- 10) Saad Melhi, Mohammad Algamdi, **Ayoub Abdullah Alqadami**, Moonis Ali Khan, Eid H Alosaimi. Fabrication of magnetically recyclable nanocomposite as an effective adsorbent for the removal of malachite green from water. *Chemical Engineering Research and Design*. Volume 177, January 2022, Pages 843-854, . (Impact Factor 6.3), **Q2**.
- 11) **Ayoub Abdullah Alqadami**, Mu. Naushad, Zeid Abdullah Allothman, and Ayman A. Ghfar. Novel Metal–Organic Framework (MOF) Based Composite Material for the Sequestration of U(VI) and Th(IV) Metal Ions from Aqueous Environment. *ACS Applied Materials & Interfaces* 9 (41), (2017) 36026-36037. (Impact Factor 9.229), **Q1**.
- 12) Aldawsari, A.M.; Alsohaimi, I.H.; Al-Kahtani, **Ayoub Abdullah Alqadami**, Ali Abdalla, Z.E.; Saleh, E.A.M. Adsorptive Performance of Aminoterephthalic Acid Modified Oxidized Activated Carbon for Malachite Green Dye: Mechanism, Kinetic and Thermodynamic Studies. *Sep. Sci. Technol.* 2021, 56, (5), 835–846, doi:10.1080/01496395.2020.1737121. (Impact Factor 2.475), **Q3**.
- 13) Khan, M.A.; **Ayoub Abdullah Alqadami** Wabaidur, S.M.; Siddiqui, M.R.; Jeon, B.-H.; Alshareef, S.A.; Allothman, Z.A.; Hamedelniei, A.E. Oil Industry Waste Based Non-Magnetic and Magnetic Hydrochar to Sequester Potentially Toxic Post-Transition Metal Ions from Water. *J. Hazard. Mater.* 2020, 400, 123247, doi:https://doi.org/10.1016/j.jhazmat.2020.123247. . (Impact Factor 10.58), **Q1**,
- 14) **Ayoub Abdullah Alqadami**, Mu Naushad, ZA Allothman, Tansir Ahamad, Adsorptive performance of MOF nanocomposite for methylene blue and malachite green dyes: Kinetics, isotherm and mechanism, *Journal of environmental management*, 2018, 29-36 (Impact Factor 4.86, **Q1**).
- 15) **Ayoub Abdullah Alqadami**, M.A. Khan, M.R. Siddiqui, Z.A. Allothman, Development of citric anhydride anchored mesoporous MOF through post synthesis modification to sequester potentially toxic lead (II) from water, *Microporous Mesoporous Mater.* (2018), 198-206.. (Impact Factor 4.18, **Q1**).
- 16) **Ayoub Abdullah Alqadami**, Mu Naushad\*, Mohammad Abulhassan Abdalla, Tansir Ahamad, Zeid Abdullah ALOthman, Saad M. Alsehri, Ayman A. Ghfar. Efficient removal of toxic metal ions from wastewater using a recyclable nanocomposite: A study of adsorption parameters and interaction mechanism. *Journal of Cleaner Production* 156 (2017) 426e436. (Impact Factor 6.39), **Q1**.
- 17) **Ayoub Abdullah Alqadami**, Mohammad Abulhassan Abdalla, Zeid Abdullah Allothman, Mu Naushad, Mohammad Rizwan Khan, Saikh Mohammad Wabaidur, Identification of hidden toxic heavy metals and titanium in skin-whitening cosmetics using microwave digestion and inductively coupled plasma atomic emission spectrometry. *IET Nanobiotechnology*. 5, (2017), 597 – 603. (Impact Factor 1.586, **Q4**).
- 18) **Ayoub Abdullah Alqadami**, Mu Naushad, Mohammad Abulhassan Abdalla, Mohammad Rizwan Khan, and Zeid Abdullah Allothman, Adsorptive Removal of Toxic Dye Using Fe<sub>3</sub>O<sub>4</sub>-TSC

Nanocomposite: Equilibrium, Kinetic, and Thermodynamic Studies. *J of chemical engineering data*, 61 (2016) 3806–3813. (Impact Factor 2.323, **Q2**).

- 19) **Ayoub Abdullah Alqadami**, Mu. Naushad, T. Ahamd, M.A. Abdalla, Z.A. ALOthman, S.M. AlShehri, Synthesis and characterization of Fe<sub>3</sub>O<sub>4</sub>@TSC nanocomposite: Highly efficient removal of toxic metal ions from aqueous medium., *RSC Adv* 6 (2016) 22679-22689 (Impact Factor 3.108, **Q2**).
- 20) **Ayoub Abdullah Alqadami**, M.A. Abdalla, Z.A. ALOthman, K. Omer. Application of Solid Phase Extraction on Multiwalled Carbon Nanotubes of Some Heavy Metal Ions to Analysis of Skin Whitening Cosmetics Using ICP-AES *Int. J. Environ. Res. Public Health*. 10, (2013) 361-374. (Impact Factor 2.79, **Q2**).
- 21) M Naushad, T Ahamad, BM Al-Maswari, **Ayoub Abdullah Alqadami** SM Alshehri. Nickel ferrite bearing nitrogen-doped mesoporous carbon as efficient adsorbent for the removal of highly toxic metal ion from aqueous medium. *Chemical Engineering Journal* 330, (2017)1351-1360. (Impact Factor 6.73, **Q1**).
- 22) Tansir Ahamad, Mu Naushad, Basheer M Al-Maswari, Jahangeer Ahmed, Zeid A ALOthman, Saad M Alshehri, **Ayoub Abdullah Alqadami**. Synthesis of a recyclable mesoporous nanocomposite for efficient removal of toxic Hg<sup>2+</sup> from aqueous medium. *Journal of Industrial and Engineering Chemistry*. 53, (2017) 268-275. (Impact Factor 4.97, **Q1**).
- 23) Abdullah Aldawsari, Moonis Ali Khan, BH Hameed, **Ayoub Abdullah Alqadami**, Masoom Raza Siddiqui, Zeid Abdullah Alothman, A Yacine Badjah Hadj Ahmed. Mercerized mesoporous date pit activated carbon—A novel adsorbent to sequester potentially toxic divalent heavy metals from water. *PloS one* 12 (9), (2017) 1-17. (Impact Factor 2.8, **Q1**).
- 24) Mohammad Saad Algamdi, Abdullah Saeed Alghamdi, Ibrahim Hotan Alsohaimi\*, Faiz Dakhil Allohybi, **Ayoub Abdullah Alqadami**. Preconcentration of Heavy Metals on Multiwalled Carbon Nanotubes in samples water prior to Analysis using FAAS. *Desalination and Water Treatment*. 69 (2017) 261–267. (Impact Factor 1.272, **Q3**).
- 25) M. Naushad, M.R. Khan, Z. A. ALOthman, M.R. Awwal, **Ayoub Abdullah Alqadami**, Water purification using cost effective material prepared from agricultural waste: Kinetics, isotherms and thermodynamic studies, *CLEAN–Soil, Air, Water* 44 (2016) 1036-1045 (Impact Factor 1.945M **Q3**),
- 26) SM Wabaidur, SM Alam, ZA Alothman, MR Siddiqui, M. Naushad **Ayoub Abdullah Alqadami**, Flow-injection chemiluminescence method for the determination of moxifloxacin in pharmaceutical tablets and human urine using silver nanoparticles sensitized calcein–KMnO<sub>4</sub> system, *Biop. & biosys. Eng.* 38 (2015) 1803-1810. (Impact Factor 1.997, **Q3**).
- 27) Masoom Raza Siddiqui, Saikh Mohammad Wabaidur, Moonis Ali Khan, Zeid A. ALOthman, M. Z. A. Rafiquee and **Ayoub Abdullah Alqadami**. A rapid and sensitive evaluation of nitrite content in Saudi Arabian processed meat and poultry using a novel ultra performance liquid chromatography–mass spectrometry method, *Journal of Food Science and Technology*. (2017) 1-7. Impact Factor 1.40).
- 28) **Ayoub Abdullah Alqadami**, Moonis Ali Khan, Marta Otero, Masoom Raza Siddiqui, Byong-Hun Jeon, Khalid Mugasam Batoo. A magnetic nanocomposite produced from camel bones for an efficient adsorption of toxic metals from water. *Journal of Cleaner Production* 178 (2018) 293e304. (Impact Factor 6.39, **Q1**).
- 29) El-Refaie Kenawy, Ayman A Ghfar, Saikh Mohammad Wabaidur, Moonis Ali Khan, Masoom Raza Siddiqui, Zeid A Alothman, **Ayoub Abdullah Alqadami**, Muhammad Hamid. Cetyltrimethylammonium bromide intercalated and branched polyhydroxystyrene functionalized montmorillonite clay to sequester cationic dyes, *Journal of environmental management* 219, 2018, 285-293(Impact Factor 4.86, **Q1**).
- 30) Mohammad Rizwan Khan, Javed Masood Khan, **Ayoub Abdullah Alqadami**. A simple solvent extraction and ultra-performance liquid chromatography-tandem mass spectrometric method for the identification and quantification of rhodamine B in commercial ,*Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy*. 206, 2019, 72-77. (Impact Factor 2.92, **Q2**).
- 31) Moonis Ali Khan, Marta Otero, Masoom Raza, Siddiqui, Mohsin Kazi, Zeid Alothman, **Ayoub Abdullah Alqadami**, Saikh Wabaidur , Unary and Binary Adsorption Studies of Lead and Malachite

Green onto a Nanomagnetic Copper Ferrite/Drumstick Pod Biomass Composite. Hazardous Materials (Impact Factor 10.58, **Q1**).

- 32) **Ayoub Abdullah Alqadami**, Moonis Ali Khan, Zeid Alothman, Masoom Raza Siddiqui Heteroatom-doped magnetic hydrochar to sequester post-transition and transition metals from water: synthesis, characterization, and adsorption studies. *Chemosphere* 2019, 1089-1099(Impact Factor 4.27, **Q1**).
- 33) Mosaed Saud Alhumaimess, Ibrahim Hotan Alsohaimi, **Ayoub Abdullah Alqadami**, Mahmoud Mohamed Kamel, Mu Naushad, Tansir Ahamad, Hamed Alshammari, Synthesis of phosphorylated raw sawdust for the removal of toxic metal ions from aqueous medium: Adsorption mechanism for clean approach. *J Sol-Gel Sci Technol* 1-14 (2018) (Impact Factor 1.7, **Q1**).
- 34) Mosaed Saud Alhumaimess, Ibrahim Hotan Alsohaimi, **Ayoub Abdullah Alqadami**, Moonis Ali Khanb, Mahmoud Mohamed Kamel, Obaid Aldosari, Masoom Raza Siddiqui, Abdelrazig Elfaki Hamedelniei. Recyclable glutaraldehyde cross-linked polymeric tannin to sequester hexavalent uranium from aqueous solution, *Journal of Molecular Liquids* (Impact Factor 4.6, **Q1**)
- 35) Mohammad Saad Algamdia, Ibrahim Hotan Alsohaimib, Ayoub **Ayoub Abdullah Alqadami**\*,Ahmed Ali Alshahrani, Nasser Fahad Alotaibi, Abdullah Mohammed Aldawsari, Evaluation of bromate formation control during drinking water disinfection in Saudi Arabia Desalination and Water Treatment139 (2019) 222–227. (Impact Factor 1.27, **Q3**).
- 36) Tansir Ahamad, Mu Naushad, Gaber E Eldesoky, **Ayoub Abdullah Alqadami**, Aslam KhanSynthesis and characterization of egg-albumen-formaldehyde based magnetic polymeric resin (MPR): Highly efficient adsorbent for Cd(II) ion removal from aqueous medium*Journal of Molecular Liquids*Volume 286, 15 July 2019, 110951(Impact Factor 4.6, **Q1**).
- 37) Mu. Naushad, **Ayoub Abdullah Alqadami**, Zeid Alothman, Ibrahim Alsohaimi, Mohammad Saad Algamdi, Abdullah Aldawsari Adsorption kinetics, isotherm and reusability studies for the removal of cationic dye from aqueous medium using arginine modified activated carbon (AGDPA@AC). *Journal of Molecular Liquids* (Impact Factor 4.6, **Q1**). Mu Naushad, Ayoub Abdullah Alqadami, Zeid Abdullah AlOthman, Ibrahim Hotan Alsohaimi, Mohammad Saad Algamdi, Abdullah Mohammed Aldawsari
- 38) Tansir Ahamad, Mu Naushad, Gaber E Eldesoky, **Ayoub Abdullah Alqadami**, Aslam KhanSynthesis and characterization of egg-albumen-formaldehyde based magnetic polymeric resin (MPR): Highly efficient adsorbent for Cd(II) ion removal from aqueous medium **Journal of Molecular Liquids**, Volume 286, 15 July 2019, 110951. (Impact Factor 4.6, **Q1**).
- 39) Gaurav Sharma, Shweta Sharma, Amit Kumar, Mu Naushad, Bing Du, Tansir Ahamad, Ayman A Ghfar, **Ayoub Abdullah Alqadami**, Florian J Stadler, Honeycomb structured activated carbon synthesized from *Pinus roxburghii* cone as effective bioadsorbent for toxic malachite green dye. *Journal of Water Process Engineering*, Volume 32, December 2019, 100931. (Impact Factor 3.17, **Q2**),
- 40) Mousa Othman Germoush, Ibrahim Hotan Alsohaimi, **Ayoub Abdullah Alqadami**, Zeid Abdullah Alothman, Hazim Mohammed Ali, Mohammad Saad Algamdi, Abdullah Mohammed Aldawsari. Oral administration of a potassium bromate dosage: Determination and evaluation of accumulated bromate on the liver of male mice, *Drug and Chemical Toxicology*, 10 Sep 2019 (Impact Factor 1.94, **Q3**).
- 41) Moonis Ali Khan, Saikh Mohammad Wabaidur, Masoom Raza Siddiqui, **Ayoub Abdullah Alqadami**, Akhtar Hussain Khan, Silico-manganese fumes waste encapsulated cryogenic alginate beads for aqueous environment de-colorization, *Journal of Cleaner Production*, 244, 118867. (Impact Factor 6.39, **Q1**)
- 42) Mu Naushad, **Ayoub Abdullah Alqadami**, Zeid Abdullah AlOthman, Ibrahim Hotan Alsohaimi, Mohammad Saad Algamdi, Abdullah Mohammed Aldawsari. Adsorption kinetics, isotherm and reusability studies for the removal of cationic dye from aqueous medium using arginine modified activated carbon, *Journal of Molecular Liquids* 293, 111442 (Impact Factor 4.6, **Q1**).

- 43) Ayoub Abdullah Alqadami**, Moonis Ali Khan, Masoom Raza Siddiqui, Zeid Abdullah Alothman  
A facile approach to development industrial waste encapsulated cryogenic alginate beads for the removal of toxic heavy metals. *Journal of King Saud University-Science* 32 (2), 1444-1450. (Impact Factor 3.81, **Q1**).
- 44) Ayoub Abdullah Alqadami**, Mu. Naushad, Mohammed Alsuhybani , Mohammad Algamdi.  
Excellent adsorptive performance of a new nanocomposite for removal of toxic Pb(II) from aqueous environment: Adsorption mechanism and modeling analysis. *Journal of Hazardous Materials* 389, 121896 (Impact Factor 10.58, **Q1**).
- 45) Moonis Ali Khan, **Ayoub Abdullah Alqadami**, Saikh Mohammad Wabaidur, Masoom Raza Siddiqui, Byong-Hun Jeon, Shareefa Ahmed Alshareef, Zeid A Alothman, Abdelrazig Elfaki Hamedelniei. Oil industry waste based non-magnetic and magnetic hydrochar to sequester potentially toxic post-transition metal ions from water. *Journal of Hazardous Materials*, 123247(Impact Factor 10.58, **Q1**).
- 46) Mu Naushad, Ayoub Abdullah Alqadami**, Tansir Ahamad. Removal of Cd(II) ion from aqueous environment using triaminotriethoxysilane grafted oxidized activated carbon synthesized via activation and subsequent silanization. *Environmental Technology & Innovation* 18, 100686 (Impact Factor 3.35, **Q1**).
- 47) Mohammed Alsuhybani, Ahmed Alshahrani, Mohammad Algamdi, Abdullah A Al-Kahtani, **Ayoub Abdullah Alqadami**. Highly efficient removal of Pb (II) from aqueous systems using a new nanocomposite: Adsorption, isotherm, kinetic and mechanism studies. *Journal of Molecular Liquids* 301, 112393(Impact Factor 4.6, **Q1**).
- 48) Yasmeen Mutlaq Ghazi Al Shamari, Abdulrahman Abdullah Alwarthan, Saikh Mohammad Wabaidur, Moonis Ali Khan, **Ayoub Abdullah Alqadami**, Masoom Raza Siddiqui. New Ultra Performance liquid chromatography-mass spectrometric method for the determination of allura red in soft drinks using corncob as solid phase extraction sorbent *Journal of King Saud University-Science* 32 (1), 1135-1141 (Impact Factor 3.81, **Q1**).

### **Attendance / Participations / Conferences / Workshops**

- 1) The 1st Conference on Science Diplomacy and Developments in Chemistry, Application of solid phase extraction of mercury in skin whitening cosmetics using multiwalled carbon nanotubes and ICP-AES. **Alexandria, Egypt 24-26. Nov. 2012.**
- 2) 4th KSU Students Scientific Symposium, Extraction and Determination of Mercury and lead Metals in Skin Whitening Cosmetics using Multiwalled Carbon Nanotubes and Inductively Coupled plasma Atomic Emission Spectroscopy. **2013. Riyadh-Saudi Arabia.**
- 3) 1st. chemistry student meeting (undergraduate and postgraduate), Extraction of heavy Metals in Skin Whitening Cosmetics on Multiwalled Carbon Nanotubes and determined using Inductively Coupled plasma Atomic Emission Spectroscopy. King Saud University. Saudi Chemical Society. **2013. Riyadh-Saudi Arabia.**
- 4) Symposium of Material and Energy for New Energy Technologies **9th Dec. 2013, Hall 7A, King Saud University, Riyadh-Saudi Arabia.**
- 5) 2nd Saudi International Petrochemical Technologies Conference (SIPTC) **May 13, 2013 - May 14, 2013. Riyadh, Saudi Arabia.**
- 6) 4th International Chemistry Conference Chemistry Department Faculty Science -King Saud University, Riyadh- Kingdom of Saudi Arabia. **November 19-21, 2011.**
- 7) 5th Saudi science conference 16th to 18th April **2012 Makkah, Saudi Arabia**

- 8) International Congress on Water, Waste and Energy Management conference, **18–20 July 2016. Rome, Italy.** Effective removal of toxic metal ions from aqueous solution using tri-sodium citrate magnetite nanocomposite
- 9) 6th International Chemistry Conference **Saudi Arabia November 8-10 2016.** Synthesis and characterization of Fe<sub>3</sub>O<sub>4</sub>@TSC nanocomposite: highly efficient removal of toxic metal ions from aqueous medium.
- 10) 18th international conference of the Union of Arab Chemists, "Highly efficient removal of toxic metal ions from aqueous medium using Fe<sub>3</sub>O<sub>4</sub>@TAS nanocomposite, **6-27 and 28 March 2017 in Ras Al Khaima, United Arab Emirates.**
- 11) 7th International Chemistry Conference Chemistry Department Faculty Science -King Saud University, Riyadh- Kingdom of Saudi Arabia. **Decemer 12-15, 2018.**

### Activities:

- Participating in the organization of *the sixth international chemistry conference (2016)* and *the seventh international chemistry conference (2018)* held in Riyadh and organized by Chemistry Department, Collage of Science, King Saud University.
- Participating in a several research projects in the field of Analytical Chemistry.

### Membership:

- Member of the Saudi Chemical Society.
- Member of the Yemeni Organization for the Education of Science, Mathematics and Technology (Yosmet)

### Training Courses :

- Training Course (Atomic Emission Spectroscopy) at Faculty of Science, King Saud University 21-24/5/1430.
- Environmental impact assessment for developmental projects at department chemistry, King Saud University, Saudi Arabia 9-13/2/2013.
- Training Course (Nuclear Magnetic Resonance) at Faculty of Science, King Saud University, Saudi Arabia 17-19/2/1439.
- Training Course (Transmission Electron Microscopy) at Faculty of Science, King Saud University, Saudi Arabia. 11-13/2/1439.
- Training Course (X-ray Diffraction) at Faculty of Science, King Saud University, Saudi Arabia 23-24/3/1439.
- Training Course (Mass spectroscopy) at Faculty of Science, King Saud University, Saudi Arabia 9-11/3/1439.
- Training Course (Inductively Coupled Plasma-Mass-Spectrometry (ICP-MS)) at Faculty of Science King Saud University, Saudi Arabia 2-3/3/1439.
- A course in English at Sana'a University.
- A course in Computers from 2/5/2004 to 25/5/2004.
- Training in the skills of stress - King Saud University .
- Training in the skills of effective communication at the University of King Saud.
- Training course in the skill of the art of diction - King Saud University.

**Reviewer in the following Academic Journals (ISI):**

- Desalination and Water Treatment
- Journal of Molecular Liquids
- Journal of Cleaner Production
- Water Science and Technology
- Environmental Nanotechnology, Monitoring & Management
- International Journal of Environmental Analytical Chemistry
- Journal of Environmental Chemical
- Chemical Engineering Research and Design