

CURRICULUM VITAE



Abbas Abdullah Ajlan

E-mail: Abbas413@gmail.com

Mobile:(00967738565020)

AREAS OF EXPERTISE

- 1- Environmental Chemistry of Soil and Water.
- 2- Synthesis and characterization of nanomaterials.
- 3- Application of nanotechnology in Agriculture and environment.
- 4- Nanoclay and Nanozeolite.
- 5- Nano zero valent metals.
- 6- Nanofertilizers
- 7- Biochar.
- 8- Water quality.
- 9- Environment.
- 10- Analytical Chemistry.

EDUCATION

2014

PhD degree in environmental chemistry of soil and water with **first class honors** and Cumulative Grade Point Average (**GPA**) = (**4.91 / 5**). Department of Soil Science - College of Food & Agriculture Sciences- King Saud University, Riyadh, Saudi Arabia.

2007

Master degree of Science in soil science with **first class honors**, and the Cumulative Grade Point Average (**GPA**)= (**4.77 / 5**). Department of Soil Science- College of Food & Agriculture Sciences- King Saud University, Riyadh, Saudi Arabia.

1995

Bachelor degree in Agricultural Science with **first class honors** and the Cumulative Grade Point Average (**GPA**) = (**4.94/ 5**). Department of Soil Science - College of Agriculture - King Saud University, Riyadh, Saudi Arabia.

ACADEMIC EMPLOYMENT

- 1) **Coordinator** of Water and Environment Technological Center at University of Science and Technology-Sana'a- Yemen (2019- until now).
- 2) **Assistant professor** of analytical chemistry at *Azal University for Human Development* - Sanaa, Yemen- (2017-2018) (Part Time)
- 3) **Assistant researcher** in the "Determination of fate and transport of engineered nanoparticles in porous media **project**" at Department of Soil Science - College of Food & Agriculture Sciences- King Saud University, Riyadh, Saudi Arabia (2014-2015).
- 4) **Researcher** (A) at Department of Soil Science - College of Food & Agriculture Sciences- King Saud University, Riyadh, Saudi Arabia. (2011-2014), that including the following responsibilities:
 - * **synthesize** and **characterize** of **nanoparticles**.
 - * **Work with** the following instruments:
 - 1- X-ray diffraction (XRD).
 - 2- Particle size analyzer.
 - 3- Differential thermal analysis.
 - 4- High energy ball milling.
 - 5- Ultra sound instrument.
 - 6- Ultraviolet–visible spectroscopy.
 - 7- Flame photometer.

 - ***Apply** organo- nanoclays on remediation of polluted water.
- 4) **Part-time worker** at Department of Soil Science - College of Food & Agriculture Sciences- King Saud University, Riyadh, Saudi Arabia. (2004-2007), that including the following responsibilities:
 - * **Perform** soil physical, chemical and mineral analysis.
 - * **Perform** water chemical analysis.
 - * **Assess** Water quality.
- 5) **Educational instructor of chemistry**, Taiz, Yemen (2000-2003, 2007-2008)
- 6) **Teacher of chemistry in secondary education**, Taiz, Yemen.(1997-2000).

HONORS AND AWARDS

- 1)- **Scientific excellence award** for the year 1995 at the college of Agriculture - King Saud University, Riyadh ,Saudi Arabia.
- 2)- **Certificate of merit** in the annual ceremony of Teacher's Day by the Ministry of Education-Republic of Yemen- Sana'a- to honor the outstanding teachers for the year 2000.

PUBLICATIONS/ RESEARCHES / PRESENTATIONS

- 1- **Ajlan, A., et al., (2017)**, Organoclay-based nanoparticles from montmorillonite and natural clay deposits: Synthesis, characteristics, and application for MTBE removal, Appl. Clay Sci., <http://dx.doi.org/10.1016/j.clay.2016.11.028> (Q1)
- 2- **Ajlan, A., (2014)**, Preparation, Characterization and Use of Organo- Nanoclay from Saudi Clay Deposits in Treatment of MTBE Polluted Water, PhD thesis, Department of Soil

Science - College of Food & Agriculture Sciences- King Saud University, Riyadh, Saudi Arabia.

3- *Ajlan, A., (2012)*, Nanoclay: Concepts and applications”, Presentation, Department of Soil Science - College of Food & Agriculture Sciences- King Saud University, Riyadh, Saudi Arabia.

4- *Ajlan, A., (2011)*, The use of certain clay minerals in the purification of contaminated water with some heavy metals, Presentation, Department of Soil Science - College of Food & Agriculture Sciences- King Saud University, Riyadh, Saudi Arabia.

5- *Ajlan, A., (2007)*, Pedological Characteristics and Water Quality Assessment in Wadi Baysh, Southwestern Region, Saudi Arabia, MSc thesis, Department of Soil Science - College of Food & Agriculture Sciences- King Saud University, Riyadh, Saudi Arabia.

TEACHING EXPERIENCE

- 1- **Teach** Analytical Chemistry (1) (Titration).
- 2- **Teach** Analytical Chemistry (2) (instrumental analysis).
- 3- **Design and prepare** the lectures of analytical chemistry 1 and 2.
- 4- **Teach** Organic Chemistry.
- 5- Long experience **in teaching**, student **evaluation** and class **management**.

LANGUAGES, SKILLS AND HOBBIES

Languages:

1. Arabic: Excellent
2. English: Very good writing, reading skills. Good speaking and listening skills.

Skills:

- 1- Use of computer applications including Word, Excel & Power Point for purposes Education.
- 2- Search through networks.
- 3- Long experience in teaching, evaluation of students and classroom management.
- 4- Ability to work in a team.

Hobbies:

- Reading, follow up scientific programs, willingness to travel and walking.

Links

- 1- <https://www.linkedin.com/in/abbas-ajlan-26289163/>
- 2- https://www.researchgate.net/profile/Abbas_Ajlan2/info

REFERENCES

1- Mohammad I. Al-Wabel.

Professor of soil chemistry- Soil Sciences Department
College of Food and Agriculture- king Saud university
E-mail: malwabel@ksu.edu.sa
Office: +966-011-467-8442
Fax:+966-011-467-8440
Mobile:+966504415145
P.O. Box :2460 Riyadh, 11451, Saudi Arabia.

2 -Abdullah S. F. Al-Farraj.

Professor of soil chemistry- Soil Sciences Department
College of Food and Agriculture- king Saud university
E-mail : sfarraj@ksu.edu.sa
Office : +966-011-467-6695
Fax : +966-011-467-8440
Address : P.O. Box 2460
Riyadh 11451, Saudi Arabia.

3- Ali M. A. Al-Turki.

Professor of soil physics- Soil Sciences Department
College of Food and Agriculture- king Saud university.
E-mail: aturki@ksu.edu.sa
Office: +966-011-467- 8451
Fax: :+966-011-467-8440
Mobile:+966505482942
Address: P.O. Box :2460
Riyadh, 1145, Saudi Arabia.