

## السيرة الذاتية

### Personal Information

### البيانات الشخصية

الإسم :- وهيبة أحمد عبده أحمد العمراني

النوع :- أنثى

الحالة الاجتماعية :- متزوج

الجنسية :- يمني

البريد الإلكتروني :- [al\\_amrani2014@yahoo.com.my](mailto:al_amrani2014@yahoo.com.my)

العنوان الثابت :- قسم الكيمياء – كلية العلوم – جامعة إب – إب – اليمن

التليفون :- 00967 771451916

الوظيفة :-

➤ أستاذ مساعد في قسم الكيمياء بكلية العلوم

➤ رئيس قسم الكيمياء منذ نوفمبر 2017 و حتى الآن

### Educational Qualifications

### المؤهلات التعليمية

• دكتوراة (PhD) في كيمياء البيئة :-

“Bioregeneration of mono amine modified silica and granular activated carbon loaded with mono-azo dyes in batch system” Universiti Sains Malaysia (USM), Pulau Penang, Malaysia, (2014),

• ماجستير (MSc) في الكيمياء الفيزيائية :-

“Removal of azo dyes using modified silica” Excellence with honors ,Menoufia University, Shebin Alkoum, Menoufia, Egypt, (2008),

• بكالوريوس كيمياء عامة :-

حاصل على المركز الأول مع مرتبة الشرف من جامعة إب في عام 2001 م.

### List of Publications

### قائمة بالأبحاث المنشورة

[1] Waheeba Ahmed Al-Amrani, Poh-Eng Lim, Chye-Eng Seng, Wan Saime Wan Ngah, Bioregeneration of azo dyes-loaded mono-amine modified silica in batch system: Effects of particle size and biomass acclimation conditions, **Chemical Engineering Journal**, 251, 175-182 (2014),

[2] Waheeba A. Al-Amrani, P.E. Lim, C.E. Seng, W.S. Wan Ngah, Effects of co-substrate and biomass acclimation concentration on the bioregeneration of azo

- dye-loaded mono-amine modified silica. *Bioresource Technology*, 143, 584-591 (2013).
- [3] **Waheeba Ahmed Al-Amrani**, Poh-Eng Lim, Chye-Eng Seng, Wan Saime Wan Ngah, Bioregeneration of mono-amine modified silica and granular activated carbon loaded with Acid Orange 7 in batch system. *Bioresource Technology* , 118, 633-637 (2012).
- [4] **Waheeba Ahmed Al-Amrani**, Poh-Eng Lim, Chye-Eng Seng, Wan Saime Wan Ngah, Operational factors affecting the bioregeneration of mono-amine modified silica loaded with Acid Orange 7. *Water research*, 46, 6419-6429 (2012).
- [5] **Waheeba Ahmed Al-Amrani**, Poh-Eng Lim, Chye-Eng Seng, Wan Saime Wan Ngah, Factors affecting bio-decolorization of azo dyes and COD removal in anoxic-aerobic REACT operated sequencing batch reactor. *Journal of the Taiwan Institute of Chemical Engineers*
- [6] Ahmed A. Donia, Asem A. Atia, **Waheeba A. Al-Amrani**, Effect of structural properties of acid dyes on their adsorption behavior from aqueous solutions by amine modified silica, *Journal of Hazardous Materials*, 161, 1544-1550 (2009),
- [7] Asem A. Atia, Ahmed A. Donia, **Waheeba A. Al-Amrani**, Adsorption/desorption behavior of acid orange 10 on magnetic silica modified with amine groups, *Chemical Engineering Journal*, 150, 55-62 (2009),
- [8] Asem A. Atia, Ahmed A. Donia, **Waheeba A. Al-Amrani**, Effect of amine type modifier on the uptake behavior of silica towards mercury (II) in aqueous solution. *Desalination*, 246, 257-274 (2009).

#### International Conferences Attended

المؤتمرات العلمية

1. **Waheeba A. Al-Amrani**, P.E. Lim, C.E. Seng, W.S. Wan Ngah. Presented a paper entitled “Investigation of factors affecting bioregeneration of monoamine modified silica (MAMS) loaded with Acid Orange 7”, to *Proceedings of the 3<sup>rd</sup>*

*International Conference on Environmental Research and Technology*, Page 405-411, ISBN: 9789673940950, (2012), Malaysia

2. **Waheeba A. Al-Amrani**, P.E. Lim, C.E. Seng, W.S. Wan Ngah. Presented a paper entitled "Bioregeneration of mono-amine modified silica particles loaded with azo dyes: Effect of particle size", to **the 4<sup>th</sup> International Conference for Young Chemists**, Page 94 (2013), Malaysia.

#### **Seminars Attended**

السيمنارات

1. **Waheeba Al-Amrani**, has participated in the **oral presentation in joint-seminar USM- Nagaoka University of technology research collaboration** organized by School of Chemical Science, Universiti Sains Malaysia (USM), held on 21<sup>st</sup>-22<sup>nd</sup> March 2013,
2. **Waheeba Ahmed Al-Amrani** has participated in the **IKM/ Standards Malaysia Seminar on Malaysian Standards (MS)& Skim Akreditasi Makmal Malaysia (SAMM)** held on 23 September, 2013.
3. **Waheeba Ahmed Al-Amrani** has participated in the **Occupational Safety and Health Course** which was held on July 2, (2011) and organized by Occupational Safety and Health Committee of USM.

#### **Workshops Attended**

ورش العمل

1. **Waheeba Ahmed Al-Amrani** has participated in the **ACS/IKM Skill Workshop for Young Malaysian Scientists and Engineers** organized by the American Chemical Society Office of International Activities and the Institute Kimia Malaysia hosted by the School Of Chemical Science, Universiti Sains Malaysia (USM), held on February 25, (2013),
2. **Waheeba Ahmed Al-Amrani** has participated in the workshop entitled "**Thesis writing and examination expectation**" which was hold on November 15, (2011),

3. **Waheeba Ahmed Al-Amrani** has participated in the workshop entitled "**How to get the best out your supervisor-student relationship**" which was hold on November 16, (2011),
4. **Waheeba Ahmed Al-Amrani** has participated in the workshop entitled "**Defend Proposal and Viva**" which was hold on November 22, (2011),
5. **Waheeba Ahmed Al-Amrani** has participated in the workshop entitled "**Stress Managment**" which was hold on November 24, (2011),
6. **Waheeba Ahmed Al-Amrani** has participated in the workshop entitled "**USM alternative track on PhD thesis examination**" which was hold on November 25, (2011),
7. **Waheeba Ahmed Al-Amrani** has participated in the workshop entitled "**Writing Journal: Fear factor and Impact factor**" which was hold on November 29, (2011).

#### **Academic Skills**

#### **المهارات الأكاديمية**

- ❖ Knowledge acquired in the development of new generated low cost adsorbents for removal of organic pollutants from aqueous solutions, specifically azo dyes,
- ❖ Information obtained in the bacteria acclimation for bio-removal of some an organic pollutants from the wastewater, specifically phenolic and azo dyes pollutants,
- ❖ Understanding get hold of the bioregeneration of the expensive loaded adsorbent with some organic pollutants, specifically granular activated carbon and modified silica loaded with phenolic and azo dyes pollutants,
- ❖ Participated in various National and International Seminars & conferences and presented the obtained research results,
- ❖ Trained in taking practical and theory classes for post-graduation students of Chemistry in Department of Chemistry, Ibb University, Ibb, Yemen

#### **Techniques Known**

#### **المهارات التقنية**

- Acquired skills in handling the instruments like Fourier transform Infra Red Spectrophotometer (FTIR),

- HPLC,
- SEM,
- XRD,
- Trained theoretically and practically in the field of Methods of analysis using the following instruments:
  1. Optical method of analysis such as Atomic Absorption Spectrophotometer (AAS), UV- VIS Spectrophotometer, Turbidimeter and dissolved Oxygen (DO),
  2. Gravimetric analysis,
  3. Sludge analysis,
  4. Sand analysis,
  5. Working on conductivity, pH and buffer solutions for water and effluent.