

السيرة الذاتية

Curriculum Vitae (CV)

الإسم: إبراهيم علي أحمد عمار

المؤهل العلمي: دكتوراه

التخصص: كيمياء تحليلية

الدرجة العلمية الحالية: أستاذ مساعد

المهام الإدارية:

1. منسق الدراسات العليا بقسم الكيمياء (2016-2017)

2. مدير المختبر المركزي بجامعة سبها (2017- حالياً)

Full Name	Ibrahim Ali Ahmed Amar
University	Sebha University, Sebha Libya
Faculty	Faculty of Sciences
Department	Department of Chemistry
Position	Assistant Professor
E-mail address	ibr.amar@sebhau.edu.ly ibr_amar@yahoo.com
Research Area Key words	<ul style="list-style-type: none">➤ Application of nanomaterials in water treatment➤ Synthesis of magnetic nano-adsorbents (e.g., spinel ferrites) for removal of organic materials (e.g., dyes, pesticides), pharmaceuticals, heavy metals and other water pollutants.➤ Solid state chemistry (electronic and ionic conductivities).➤ Electrochemical synthesis of ammonia.
Education	<ul style="list-style-type: none">➤ PhD. (Chemistry), 2014, Faculty of science, Department of Pure and Applied Chemistry, Strathclyde University, Glasgow/Scotland, UK. Thesis Title: New materials for electrochemical synthesis of ammonia.➤ RNDr. (Analytical Chemistry), 2005. Faculty of Science, Institute of Chemistry, Department of Physical and Analytical Chemistry, P.J.Safarik University, Kosice, Slovakia. Thesis Title: Simultaneous Analysis of New Antidepressants Selective Serotonin Reuptake Inhibitors by Reversed-Phase Thin-layer Chromatography.

	<p>➤ M.Sc. (Analytical Chemistry), 2004. Faculty of Science, Institute of Chemistry, Department of Physical and Analytical Chemistry, P.J.Safarik University, Kosice, Slovakia</p> <p>Thesis Title: Pyrolysis Gas Chromatography of Brown Coal and Methymethacrylate Mixture.</p>
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Conferences and meetings

1. The Second International Conference on Science, Engineering and Technology (ICoSET 2019), September 5-7, **2019**. Universitas Islam Riau, Pekanbaru, Indonesia.
2. The First Conference for Engineering Sciences and Technology (CEST-2018), 25-27 September, **2018**, Garaboulli, Libya
3. First International Conference on Science and Technology, Under the slogan "For the optimum application of science and technology" (1st ICST-2018). 12th – 14th February, **2018**, Sebha, Libya.
4. The 2nd Libyan Conference on Chemistry and its Applications LCCA-2, 9-11 May, **2017**, Benghazi, Libya.
5. Hydrogen Delivery (HDel) Meeting, 26-27 May, **2010**, Cardiff, UK.
6. The 5th Jordanian International Conference of Chemistry, 18-19 June, **2008**, Irbid, Jordon.
7. The 14th Arab Chemistry Conference & Exhibition (ACC-14), 18-21 February, **2008**, Tripoli, Libya.
8. The 13th International Symposium on Separation Sciences. 27-29 June, **2007**. Strbske Pleso, High Tatras. Slovak Republic.
9. The 1st Conference on Recent Development in Chemistry and their Applications. 14-16 November, **2006**. Sebha, Libya.
10. The 12th International Symposium" Advances and Applications of Chromatography in Industry, June 29-July 1, **2004**. Bratislava, Slovak Republic.

Journal publications

1. Ibrahim A. Amar, Hebatallah M. Harara, Qamrah A. Baqul, Mabroukah A. AbdulQadir, Fatima A. Altohami, Mohammed M. Ahwidi, Ihssin A. Abdalsamed and Fatema A. Saleh. *Photocatalytic degradation of malachite green dye under UV light irradiation using calcium-doped ceria nanoparticles*. Asian Journal of Nanoscience and Materials, 3 (**2020**) 1-14.
2. Ibrahim A. Amar, Abubaker Sharif, Manal Ali, Sharefa Alshareef, Fatima Altohami, Mabroukah A. AbdulQadir, Mohammed M. Ahwidi. *Removal of Methylene Blue from Aqueous Solutions using Nano-Magnetic Adsorbent Based on Zinc-Doped Cobalt Ferrite*. Chemical Methodologies, 4 (**2020**) 1-18.
3. Ihssin Abdalsamed, Ibrahim Amar, Mohammed Ahwidi, Omar Abrika, Masood A G Ali. *Nanoparticles technology promoting strategies for cancer therapy: Review*. Libyan Journal of Science & Technology, 9:2 (**2019**) 168-175.
4. Ibrahim Ali Amar, Zohour Mohamed Alshibani, Mabroukah Alsalueen AbdulQadir, Ihssin Abubaker Abdalsamed, Fatima Ali Altohami. *Oil Spill Removal from Water by Absorption on Zinc-Doped Cobalt Ferrite Magnetic Nanoparticles*. Advanced Journal of Chemistry-Section A, 2 (**2019**) 365-376. DOI: 10.33945/SAMI/AJCA.2019.4.9.
5. I. A. Amar, A. Sharif, M. M. Alkhayali, M. A. Jabji, F. Altohami, M. A. Abdul Qadir and M. M. Ahwidi. *Adsorptive Removal of Methylene Blue Dye from Aqueous Solutions using CoFe_{1.9}Mo_{0.1}O₄ Magnetic Nanoparticles*. Iranian Journal of Energy and Environment, 9 (**2018**) 247-254. DOI: 10.5829/ijee.2018.09.04.04.
6. Ibrahim A. Amar, Mohammed M. Ahwidi, Mohammed Zidan, Ihssin Abdalsamed, Asmaa Ali: *Effect of sintering temperature on the electrical properties of a nanocomposite electrolyte*

- based on calcium-doped ceria/ternary carbonate. *Libyan Journal of Science & Technology* 7:2 (2018) 127-132.
7. Ibrahim A. Amar, Abubaker Sharif, Mohammed M. Ahwidi: *Enhanced ionic conductivity in a composite electrolyte based on cerium oxide-ternary carbonate*. *Journal of Pure & Applied Sciences* 17 (2018) 161-169, ISSN 2521-9200.
 8. Ibrahim A. Amar, Abubaker Sharif, Mohammed M. Ahwidi: *The ionic conductivity of a nanocomposite electrolyte based on calcium-doped ceria/ternary carbonate*. *Journal of Pure & Applied Sciences* 16 (2017) 31-37, ISSN 2521-9200.
 9. ابوبكر احمد الشريف، ابراهيم علي عمار، فتحي احمد الشريف: تقدير بعض العناصر الثقيلة في التبغ الخام و بعض السجائر المتداولة في ليبيا. *المجلة العربية للعلوم و نشر الأبحاث، المجلد الأول - العدد (4)؛ ص. 63-72؛ بحث رقم 181016*.
 10. Ibrahim A. Amar, Rong Lan, John Humphreys, Shanwen Tao: *Electrochemical synthesis of ammonia from wet nitrogen via a dual-chamber reactor using $La_{0.6}Sr_{0.4}Co_{0.2}Fe_{0.8}O_{3-\delta}-Ce_{0.8}Gd_{0.18}Ca_{0.02}O_{2-\delta}$ composite cathode*. *Catalysis Today* 286 (2017) 51-56, DOI:10.1016/j.cattod.2016.09.006.
 11. Ibrahim A. Amar, Rong Lan, Shanwen Tao: *Synthesis of ammonia directly from wet nitrogen using redox stable $La_{0.75}Sr_{0.25}Cr_{0.5}Fe_{0.5}O_{3-\delta}-Ce_{0.8}Gd_{0.18}Ca_{0.02}O_{2-\delta}$ composite cathode*. *RSC Advances* 5 (2015) 38977-38983, DOI:10.1039/C5RA00600G.
 12. Rong Lan, Khaled A. Alkhazmi, Ibrahim A Amar, Shanwen Tao: *FD Electrolysis: Synthesis of ammonia directly from wet air using $Sm_{0.6}Ba_{0.4}Fe_{0.8}Cu_{0.2}O_{3-\delta}$ as the catalyst*. *Faraday Discussions* 182 (2015) 353-363, DOI:10.1039/C5FD00033E.
 13. Ibrahim A. Amar, Rong Lan, Christophe T.G. Petit, Shanwen Tao: *Electrochemical Synthesis of Ammonia Using Fe_3Mo_3N Catalyst and Carbonate-Oxide Composite Electrolyte*. *International journal of electrochemical science* 10 (2015) 3757-3766.
 14. Ibrahim A. Amar, Rong Lan, Christophe T. G. Petit, Shanwen₂ Tao: *Electrochemical Synthesis of Ammonia Based on Co_3Mo_3N Catalyst and $LiAlO_2-(Li,Na,K)_2CO_3$ Composite Electrolyte*. *Electrocatalysis* 6 (2015) 286-294, DOI 10.1007/s12678-014-0242-x.
 15. Rong Lan, Sami M.M. Abdallah, Ibrahim A. Amar, Shanwen Tao: *Preparation of dense $La_{0.5}Sr_{0.5}Fe_{0.8}Cu_{0.2}O_{3-\delta}-(Li,Na)_2CO_3-LiAlO_2$ composite membrane for CO_2 separation*. *Journal of Membrane Science* 468 (2014) 380-388, DOI:10.1016/j.memsci.2014.06.030.
 16. Rong Lan, Khaled A. Alkhazmi, Ibrahim A. Amar, Shanwen Tao: *Synthesis of ammonia directly from wet air at intermediate temperature*. *Applied Catalysis B: Environmental*, 152-153 (2014) 212-217, DOI:10.1016/j.apcatb.2014.01.037.
 17. Ibrahim A. Amar, Rong Lan, and Shanwen Tao: *Electrochemical Synthesis of Ammonia Directly from Wet N_2 Using $La_{0.6}Sr_{0.4}Fe_{0.8}Cu_{0.2}O_{3-\delta}-Ce_{0.8}Gd_{0.18}Ca_{0.02}O_{2-\delta}$ Composite Catalyst*. *Journal of The Electrochemical Society* 161 (2014) H350-H354, DOI:10.1149/2.021406jes
 18. Ibrahim A. Amar, Christophe T. G. Petit, Rong Lan, Gregory Mann, and Shanwen Tao: *Electrochemical synthesis of ammonia from wet nitrogen using $La_{0.6}Sr_{0.4}FeO_{3-\delta}-Ce_{0.8}Gd_{0.18}Ca_{0.02}O_{2-\delta}$ composite cathode*. *RSC Advances* 4 (2014) 18749-18754, DOI:10.1039/c4ra02090a
 19. Ibrahim A. Amar, Christophe T.G. Petit, Gregory Mann, Rong Lan, Peter J. Skabara, Shanwen Tao: *Electrochemical synthesis of ammonia from N_2 and H_2O based on $(Li,Na,K)_2CO_3-Ce_{0.8}Gd_{0.18}Ca_{0.02}O_{2-\delta}$ composite electrolyte and $CoFe_2O_4$ cathode*. *International Journal of Hydrogen Energy* 39 (2014) 4322-4330, DOI:10.1016/j.ijhydene.2013.12.177.
 20. Rong Lan, Khaled A. Alkhazmi, Ibrahim A. Amar, Shanwen Tao: *Synthesis of ammonia directly from wet air using new perovskite oxide $La_{0.8}Cs_{0.2}Fe_{0.8}Ni_{0.2}O_{3-\delta}$ as catalyst*.

Electrochimica Acta 123 (2014) 582-587, DOI:10.1016/j.electacta.2014.01.026

21. Ibrahim A Amar, Christophe TG Petit, Lei Zhang, Rong Lan, Peter J Skabara, Shanwen Tao: *Electrochemical synthesis of ammonia based on doped-ceria-carbonate composite electrolyte and perovskite cathode*. Solid State Ionics 201 (2011) 94-100, DOI:10.1016/j.ssi.2011.08.003
22. Ibrahim A. Amar, Rong Lan, Christophe T. G. Petit, Shanwen Tao: *Solid-state electrochemical synthesis of ammonia: A review*. Journal of Solid State Electrochemistry 15 (2011) 1845-1860, DOI:10.1007/s10008-011-1376-x.
23. Tatána Gondová, Ibrahim A. Amar: *RP TLC Analysis of New Antidepressants in Pharmaceutical Preparations*. JPC - Journal of Planar Chromatography - Modern TLC 24 (2011) 40-43, DOI:10.1556/JPC.24.2011.1.7.
24. Ibrahim A. Amar, Rong Lan, Christophe T. G. Petit, Valeria Arrighi, Shanwen Tao: *Electrochemical synthesis of ammonia based on a carbonate-oxide composite electrolyte*. Solid State Ionics 182 (2011) 133-138, DOI:10.1016/j.ssi.2010.11.009
25. A. Oriňák, L. Halás, I. Amar, J.T. Andersson, M. Ádámová: *Co-pyrolysis of polymethyl methacrylate with brown coal and effect on monomer production*. Fuel 85 (2006) 12-18, DOI:10.1016/j.fuel.2005.04.030.

Conference papers

1. Mohammed A Samba, Ibrahim Ali Amar, Musa Abuadabba, Mohammed A ALfroji, Zainab M Salih and Tomi Erfando: *Separation of Crude Oil and Its Derivatives Spilled in Seawater by using Cobalt Ferrite Oxide*. The Second International Conference on Science, Engineering and Technology (ICoSET 2019), September 5-7, 2019. Universitas Islam Riau, Pekanbaru, Indonesia.
2. Ibrahim A. Amar, Abubaker Sharif, Najat A. Omer, Naght E. Akale, Fatima Altohami, Mabroukah A. AbdulQadir: *Synthesis and Characterization of Magnetic $CoFe_{1.9}Cr_{0.1}O_4$ Nanoparticles by Sol-gel Method and Their Applications as an Adsorbent for Water Treatment*. Published by AIJR Publisher in Proceedings of First Conference for Engineering Sciences and Technology (CEST-2018), September 25-27, 2018, vol. 2. DOI: <https://doi.org/10.21467/proceedings.4.43>.
3. Ibrahim A. Amar, Abubaker Sharif, Mohammed M. Ahwidi and Fatema A. Saleh: *Electrical properties of gadolinium-doped ceria/ternary carbonate nanocomposite electrolyte*. The 2nd Libyan Conference on Chemistry and its Applications LCCA-2, 9-11 May, 2017, Benghazi, Libya.
4. Ibrahim. A. Amar, T. Gondova, D. Brinarska. *Separation of New Antidepressants by Reversed-Phase Thin-layer Chromatography*. The 1st Conference on Recent Development in Chemistry and their Applications. 14-16 November, 2006, Sebha, Libya.

Working Experience

- Supervisor of several research projects of undergraduate students (B.Sc) at Department of Chemistry, Sebha University, Sebha Libya.
- Teaching experience of the following courses; General Chemistry, Principles of Analytical Chemistry, and Chromatographic methods.

9/9/2020

ابراهيم عمار