Dr. Lotfi Hedi KHEZAMI

Tunisian

Address: Imam University - College of Science,
P.O. BOX 90950 RIYADH 11623
KINGDOM OF SAUDI ARABIA

Office : +966112594659
Mobile : +966502091641
Fax : +966112455262
E-mail : lhmkhezami@imamu.edu.sa
lkhezami@gmail.com

Website: http://scholar.google.com/citations?user=jKuNJiwAAAAJ&hl=en
https://www.researchgate.net/profile/L_Khezami/contributions
https://www2.scopus.com/authid/detail.uri?authorId=8601478300

	All	Since 2015
Citations	1786	904
h-index	11	11
i10-index	13	13

RG: 27.08

Biography: **Lotfi Khezami** is currently an Associate Professor of Chemistry at Al-Imam Mohamed Ibn Saudi Islamic University (IMAMU). He served as supervisor of the Chemistry department at IMAMU, from 2008-2010. Since 2008, he is chair of the quality and development committee of the department and member of the unit of quality and development of the faculty. Lotfi received his Engineering diploma in industrial chemistry process from the National Engineers School of Gabes (ENIG), and his M.S. and Ph.D. in Engineering of Industrial Processes from the University of Technology of Compiegne (UTC), where he was also a lectureship and research Assistant. His research interests span over several areas related to Environment and pollution treatments, wastewater treatment, nanomaterials, removal of Heavy metals, dyes and phenolic compound, solar cells, drying and conservation of food by Osmotic Dehydration and Pulsed Electric Field, etc.

Research Lab: https://vimeo.com/86806473

Education

February 2006 **Certificate of qualification** in theoretical, physical and analytical chemistry research and higher teaching
Certificate of qualification in Energetic and Engineering process research and higher teaching
Delivered by France Higher Education and Research Ministry. (Equivalent to the Postgraduate Certificate in the Higher Education in UK)

February 2005 **PhD in Chemical Engineering and Sustainable Development,**
University of Technology of Compiegne, France: Production of a new class of porous material: Application in waste water treatment.

October 2000 **Master in Chemical Engineering,**
University of Technology of Compiegne, France: Production and activation of activated carbon from agricultural by-products.

June 1998 **Engineering Degree in Chemical Engineering,**
National school of engineers of Gabes (ENIG), Tunisia.

June 1993 **Baccalaureate in Experimental Sciences,** Technical Secondary school of Medjez, Tunisia.

Teaching

Since May 2019 — **Associate Professor** at Al-Imam University – **F**aculty of **S**CIences–**D**epartment OF CHEMISTRY.

- General Chemistry 1 and 2 for college of science and Engineering
- Physical chemistry 1 and 2 for college of science and Engineering

Aug 2006-April 2018 — **Assistant Professor** at Al-Imam University – **F**aculty of **S**CIences–**D**epartment OF CHEMISTRY.

- Homogeneous and heterogeneous catalysis
- General Chemistry 1 and 2 for college of science and Engineering
- Physical chemistry 1 and 2 for college of science and Engineering
- Colloids and surface chemistry for college of science
- Mathematics precalculus and calculus 1 and 2.

Sept 2003- July 2005 — **Teaching Assistant (ATER)** I was a teaching assistant of the following Chemical tutorials and seminars at the University of Technology of Compiegne, UTC:

- **Mineral physical chemistry**, Module for the third year of Engineer System
- **Engineering of Industrial Process**, Module for the fifth year of Engineer System
- **Thermodynamic**, Module for the third year of Engineer System

Supervision

Since Sept 2017 — **Co-Supervision** of Doctor of Philosophy in Chemistry
Location: College of Science Omdurman Islamic University Omdurman Sudan
Subject: Synthesis and characterization of ZnO nanoparticles and its applications in heavy metals removal.

Sept 2012- Aug 2016 — **Co-Supervision** of Doctor of Philosophy in Chemistry
Location: Sudan University of Science and Technology, Sudan
Subject: Synthesis and Characterization of Annealed ZnO and $Cu_{5\%}$-doped ZnO Nanoparticles and Their Photocatalytic Applications.

Sept 2003- Aug 2005 — **Supervision** of a Master Student in Chemical Engineering
Location: University of Technology of Compiegne, France
Subject: Preparation of activated carbons: application in wastewater treatment.
Supervision of a student in third year engineer system: long-term professional Training (1 year).
Location: Company Chevron Oronite SA, France.
Subject: Setting-up of a new Unit of Alkylation on fixed bed (ALF).
Supervision of student in chemistry Licensee
Location: University of Technology of Compiegne, France
Subject: Determination of acid base functional groups at the surface of activated carbon.

Professional experience

Oct 2000 - Aug 2005 **Research Associate**
Production and characterization of activated carbons from wood and other agricultural by-products: Application in water treatment.
University of Technology of Compiegne, France

Sept 1999-sept 2000 **Scholarship of Chemical Engineering Laboratory of UTC**
Production of a novel class of adsorbent; Removal of dyes and phenolic component from wastewater. *University of Technology of Compiegne, France*

Aug 1998 - Mar 1999 **Research Engineer**
Department of Engineering and Study "Afrique Etude», Tunisia
Engineering and design of the stations of wastewater treatment and purification and environment Monitoring control.

Feb – June 1998 **Engineer project**
Valorization of agro-alimentary wastes ant water treatment Laboratory of Catalysis and Environment LCE, ENIG-Tunisia**,**

July – Aug 1997 **Engineer**
Tunisian Chemical group, Phosphoric Factory of Acid (GCTUAP)
Production and concentration of Phosphoric acid

Research Group and Grants

Jan 2019 - Jan 2021
Research Grant funded by the **National Plan for Sciences and Technology** under Nanotechnology Research Program.
Project: Synthesis and characterization of low cost solar cells based on chalcopyrite nanoparticles.
Role: Co-Investigator

Nov 2017 - Oct 2019
Research Group: King Saud University-The Research Group Program (RG) Deanship of Scientific Research
N°. RG-1439-006
Role: Co-Investigator

Jun 2014 - Jun 2016
Research Grant funded by the **National Plan for Sciences and Technology** under Environment Research Program (Industrial and municipal waste water treatment).
Project: "Synthesis of new nanomaterials for waste water treatment".
Role: Co-Investigator

Oct 2012 - Oct 2013
Research Grant funded by the **Annual and Human Sciences programs at Shagra University**.
Project: the Assess of the quality of local and imported bottled drinking water and verification the possibility of Antimony leaching from polyethylene terephthalate (PET) plastic used for bottled drinking water under different storage conditions in Saudi Arabia
Role: Associate Investigator

Oct 2012 - Oct 2013	Research Grant from **Deanship of Research at Al-Imam Mohamed bin Saud University**. *Project*: *Assessment* of using of some economical Materials in water treatment polluted by heavy metals *Role:* Co-Investigator
Nov 2011 - Nov 2012	Research Grant from **Deanship of Research at Al-Imam Mohamed bin Saud University**. *Project*: *General Chemistry2, a textbook.* *Role:* Principal Investigator
Nov 2010 - Sep 2012	Research Grant funded by the **National Plan for Sciences and Technology** under Environment Research Program (Industrial and municipal waste water treatment). *Project*: Elimination of heavy metals and radio-elements by a new class of nanoporous activated carbon and algae. *Role:* Principal Investigator
Jan 2008-Sep 2010	Research Grant from **Deanship of Research at Al-Imam Mohamed bin Saud University**. *Project*: *General Chemistry1, textbook.* *Role:* Principal Investigator

Administrative and Academic Responsibilities

Chair, Central Committee Liaison in ASIIN accreditation process of College of Science programs, since 2016.

Members of the Self-Study Steering Committee of faculty of science, 2016/2017.

Head of the Quality Unit inside the Chemistry Department. Since 2014.

Participation in NCAAA accreditation process of the Mathematic program in 2012.

Member of NCAAA Quality and Accreditation Unit, in College of science, since 2007.

Former Member of the Committee in charge of the preparation of College Strategic Plan, since 2010.

Chair of Chemistry Department, 2009 and 2010.

Chair of Chemistry program Committee, since 2007.

Chair of Course Coordination Committee, since 2006.

Publications

Books:

1. **Lotfi Khezami,** Production du charbon actif et son application en traitement des eaux Publisher: *European University Editions* (August 10, 2010). **ISBN-10:** 6131521549, **ISBN-13:** 978-6131521546.
2. **L. Khezami,** General Chemistry: Essential concepts of Science, by Lotfi Khezami Publisher: Al-Imam Muhammad Ibn Saud Islamic University, King Fahd Library cataloging in publication data, (October 10, 2013). **ISBN-13:** 978-603-505-196-5.

Journal papers:

1. M. Achref, A. Bessadok J., **L. Khezami**, S. Mokraoui, M. Ben Rabha, (2020), Effective surface passivation on multi-crystalline silicon using aluminum/ porous silicon nanostructures, Surfaces and Interfaces, 18, pp 1 – 6.
2. **L. Khezami**, A. Modwi, I. Ghiloufi, K. K. Taha, M. Bououdina, A. ElJery, L. El Mir, (2020) Effect of aluminum loading on structural and morphological characteristics of ZnO nanoparticles for heavy metal ion elimination, Envir. Science and Pol. Research, 27(3):3086–3099. I.F: 3.208
3. M. Ben Rabha. A. B. Jemai, A. Mannai, **L. Khezami**, S. Mokraoui, Faisal K. Algethami, A. Al-Ghyamah, (2020), Aluminum Nanoparticles Passivation of Multi-Crystalline Silicon Nanostructure for Solar Cells Applications, Silicon, doi.org/10.1007/s12633-019-00368-2. I.F:1.28
4. A. Modwi, Kamal K., Taha, **L. Khezami**, Abdullah S, Al-Ayed, O. K. Al-Duaij, M. Khairy, M. Bououdina, (2019), Structural and Electrical Characterization of Ba/ZnO Nanoparticles Fabricated by Co-precipitation. J Inorg Organomet Polym., I.F: 1.637
5. A. Modwi, **L. Khezami**, Kamal K. Taha, A. Bessadok J., S. Mokraoui, (2019), Photo-degradation of a mixture of dyes using Barium doped ZnO nanoparticles, Journal of Materials Science: Materials in Electronics, 30(15), pp 14714–14725. I.F: 2.195
6. A.J. Bessadok, , A. Modwi, L. **Khezami,** K.K. Taha, , S. Mokraoui, (2019), Physicochemical behavior of M doped $Zn_{0.95}Cu_{0.05}O$ nanocomposites synthesized by facile sol-gel method, Materials research Express, 6(8), pp 1 – 8. I.F: 1.449
7. M'hamed, MO, **Khezami, L,** (2019)**,** 1,2,3,4-Tetrahydropyrimidine Derivative for Selective and Fast Uptake of Cadmium Ions from Aqueous Solution, Environments, 6(6), pp 68 – 82.
8. **L. Khezami**, T. S. Alwqyan, M. Bououdina, B. Al-Najar, M. N. Shaikh, A. Modwi, Kamal K. Taha (2019), Dependence of phase distribution and magnetic properties of milled and annealed $ZnO.Fe_2O_3$ nanostructures as efficient adsorbents of heavy metals, Journal of Materials Science-Material Electronics, 30 (10), 9683-9694. I.F: 2.195
9. Mohamed Bououdina T. S, Alwqyan, **L. Khezami**, B Al-Najar, M. N Shaikh, R. Gill, Abueliz Modwi, Kamal Taha, Mohamed Lemine (2019), Fabrication and characterization of nanostructured $MgO{\cdot}Fe_2O_3$ composite by mechanical milling as efficient adsorbent of heavy metals, Journal of Alloys and Compounds, 772, pp 1030-1039. I.F: 4.175
10. Abueliz Khalid Modwi, Kamal K. Taha, **L. Khezami**, M. Bououdina and A. Houas, (2019), Silver Decorated Cu/ZnO Photocomposite: Efficient Degradation of Green Malachite, Journal of Materials Science: Materials in Electronics, 30 (4), 3629-3638. I.F: 2.195

11. Babiker Y. Abdulkhair, **L. Khezami,** M. R. Elamin, Kamal K. Taha (2019), Preparation of Large Carbon Nanofibers on a Stainless Steel Surface and Elucidation of their Growth Mechanisms, Zeitschrift für Naturforschung A, 74 (3), pp 253-259. I.F: 1.079

12. A Modwi, **L. Khezami**, KK Taha, (2018) Flower buds like MgO nanoparticles: From characterization to Indigo carmine elimination, Zeitschrift für Naturforschung A - A Journal of Physical Sciences, 73(11), pp 975-983. I.F: 1.432

13. N. B. Hamadi A. Guesmi , W. A. EL-Fattah, **L. Khezami** (2018), Tinctorial properties of cotton and modified cotton fabrics dyed with date pite powder using conventional and ultrasonic energy, Journal of Optoelectronic and Biomedical Materials, 10(4), 91-96.

14. K. K. TAHA , A. MODWI, **L. KHEZAMI**, M.HEIKAL (2018), SIMPLISTIC ONE POT SYNTHESIS OF ZNO VIA CHELATING WITH CARBOXYLIC ACIDS, Digest Journal of Nanomaterials and Biostructures, 13(4), 1213-1222. I.F: 0.638

15. Midhat A. Ismail, KK Taha, A. Modwi, **L. Khezami** (2018), ZnO Nanoparticles: Surface and X-ray Profile Analysis, Journal of Ovonic Research, 14 (5), 381 - 393. I.F: 0.701

16. A Modwi, **L. Khezami**, KK Taha, A Houas (2018), Structural, surface area and FTIR characterization of $Zn_{0.95-x}Cu_{0.05}Fe_{0.0x}O$ nanocomposites prepared via sol–gel method, Journal of Materials Science: Materials in Electronics, 29 (3), 2184-2192. I.F: 2.195

17. **L. Khezami**, Kamal K. Taha, Mohamed Ould M'hamed, O.M. Lemine, (2017), $(x)ZnO(1-x)Fe_2O_3$ nanocrystallines for the removal of cadmium(II) and nickel(II) from water: kinetic and adsorption studies, Journal of Water Supply: Research and Technology-AQUA, 66 (6), 381-391. I.F: 1.179

18. **L. Khezami**, Kamal K. Taha, A. Modwi, (2017) Efficient removal of cobalt from aqueous solution by zinc oxide nanoparticles: kinetic and thermodynamic studies. Zeitschrift für Naturforschung A, A Journal of Physical Sciences, 72 (5), 409-418. I.F: 1.432

19. A. Modwi, **L. Khezami**, Kamal Taha, O. K. Al-Duaij, Ammar. Houas, (2017), Fast and High efficiency adsorption of Pb(II) ions by Cu/ZnO composite, Materials Letters, 195, pp 41-44. I.F: 3.019

20. **L. Khezami** , Kamal K. Taha, Ezzeddine Amami , Imed Ghiloufi, Lassaad El Mir, (2017), Removal of Cadmium (II) from aqueous solution by zinc oxide nanoparticles: kinetic and thermodynamic studies, Desalination and Water Treatment, 62, pp 346-354. 1.631. I.F: 1.234

21. M Ben Rabha, **L. Khezami**, Abdelbasset Bessadok Jemai, Raed Alhathlool, Abdelhamid Ajbar, (2017), Surface passivation of silicon nanowires based metal nano-particle assisted chemical etching for photovoltaic applications, Journal of Crystal Growth, 462, pp 35-40. I.F: 1.573

22. B. Al-Najar, **L. Khezami**, J. Judith Vijaya, O. M. Lemine, M. Bououdina, (2017), Effect of synthesis route on the uptake of Ni and Cd by $MgFe_2O_4$ nanopowders, Applied Physics. A, Materials Science & Processing, 132(1), pp 102-108. I.F: 1.604

23. **L. Khezami**, KK Taha, A. Modwi, (2016), Kinetic and thermodynamics studies of trivalent arsenic removal by indium-doped zinc oxide nanopowder, Digest Journal of Nanomaterials and Biostructures, 11(4), pp 1397-1410. I.F: 0.701

24. O. Al-Duaij, M. Attia, **L. khezami,** K. Taha, (2016), Removal of cobalt (II) from aqueous solution by local Saudi bentonite: Kinetic and equilibrium investigations, Macedonian Journal of Chemistry and Chemical Engineering, 35(1), pp 87 – 96. I.F: 0.644

25. A. Modwi, M. A. Abbo, E. A. Hassan, K. K. Taha, **L. Khezami**, A. Houas, (2016), Influence of annealing temperature on the properties of ZnO synthesized via 2.3.dihydroxysccinic acid using flash sol-gel method, Journal of Ovonic Research, 12(2), pp 59 - 66. I.F: 0.701

26. **L. Khezami**, KK Taha, I Ghiloufi, L El Mir, (2016), Adsorption and photocatalytic degradation of malachite green by vanadium doped zinc oxide nanoparticles, Water Science and Technology, 73(4), pp 881 – 889. I.F: 1.274

27. **L. Khezami**, Abdelbasset Bessadok Jemai, Raed Alhathlool, M Ben Rabha, (2016) Electronic quality improvement of crystalline silicon by stain etching-based PS nanostructures for solar cells application, Solar Energy, 129, pp 38–44. I.F: 4.674

28. A.B. Jemai, **L. Khezami**, R. Capart and E. Vorobiev, (2016) Enhanced Permeability of Biological Tissue Following Electric Field Treatment and Its Impact on Forced Convection Dehydration, International Journal of Chemical Engineering and Applications 7 (1), pp 42-46

29. **L. Khezami**, Mohamed Ould M'hamed, O.M. Lemine, M. Bououdina & Abdelbasset Bessadok-Jemai, (2016), Milled goethite nanocrystalline for selective and fast uptake of cadmium ions from aqueous solution, Desalination and Water treatment, Volume 57(14), pp 6531-6539. I.F: 1.383

30. Omar K. Al-Duaij, Naoufel Ben Hamadi, and **L. Khezami** (2016), Asymmetric Cycloaddition: An Efficient Synthesis of Enantiopure Isoxazolines Substituted with Carbohydrate Analogues, Journal of Heterocyclic Chemistry, 53(2), pp 408–413. I.F: 0.787

31. **L. Khezami**, A O Al Megbel, A B Jemai, M Ben Rabha, (2015), Theoretical and experimental analysis on effect of porous silicon surface treatment in multicrystalline silicon solar cells. Applied Surface Science 353, pp 106–111 I.F: 4.439

32. K.T. KAMAL, **L. Khezami**, K.D. OMAR, R.E. MOHAMED, K.M. ABUELIZ and H. Nassir (2015), Heavy Metals Concentrations in Fish from the Red Sea and Arabian Gulf: Health Benefits and Risk Assessments due to their Consumption. Asian Journal of Chemistry; Vol. 27, No. 12

33. Mohamed Ould M'hamed, **L. Khezami**, Abdurrahman G Alshammari, SM Ould-Mame, I Ghiloufi, OM Lemine (2015), Removal of cadmium(II) ions from aqueous solution using Ni (15 wt.%)-doped α-Fe_2O_3 nanocrystals: equilibrium, thermodynamic, and kinetic studies, Water Science & Technology 72 (4), pp 608-615. I.F: 1.624

34. Mohamed I. Attia, Omar K. Alduaij and **Lotfi Khezami** (2015), Assessment of Nickel(II) Removal From Aqueous Solution Using Saudi bentonite, SYLWAN., 159(1), pp 146-166. I.F: 0.539

35. I. Ghiloufi, **L. Khezami**, L. El Mir, (2015), Preparation and characterization of nanoporous resin for heavy metal removal from aqueous solution, Journal of Water Supply: Research and Technology, 64(3), pp 316-325. I.F: 1.051

36. I. Ghiloufi, **L. Khezami**, L. El Mir, (2015) Nanoporous Activated carbon for fast uptake of heavy metals from aqueous solution, Desalination and Water treatment, 55 (4), pp 935-944, IF: 1.383

37. O.M. Lemine, I. Ghiloufi, M. Bououdina, L. Khezami, M. M'hamed, A. Taha, (2014) nanocrystalline Ni doped α-Fe2O3 for Adsorption of Metals from Aqueous Solution, Journal of Alloys and Compounds 588, 592–595 , Impact factor: 3.779

38. E. Amami, **L. Khezami**, A. Bessadok-Jemai, and E. Vorobiev, (2014) Osmotic dehydration of some agro-food tissue pre-treated by pulsed electric field: Impact of impeller's Reynolds number on mass transfer and color. Journal of King Saud University–Engineering Sciences 26, 93–102.

39. **L. Khezami**, A. Bessadok-Jemai, O. Al-Duaij, E. Amami, (2012) Individual and competitive adsorption of lead (II) and nickel (II) ions by chemically activated carbons, International Journal of Physical Sciences Vol. 7(46), pp. 6075-6081.

40. Bessadok-Jemai A, **Khezami L**, Emad A, and Vorobiev, E (2011). Modeling The Kinetic of Solute Diffusion from sugarbeet Particles Based on Electric Conductivity Measurements. International Journal of Physical Sciences, 6(28), 6464-6468.

41. **L. Khezami**, A.B. Jemai, R. Capart and E. Vorobiev (2010), Drying kinetics study of food pulps by continuous relative humidity measurements: air flow rate and electric field effects, Chemical Technology: An Indian Journal, 5(1), 45-50. I.F: 0.34

42. E. Amami, A. Fersi, **L. Khezami**, E. Vorobiev, N. Kechaou (2009), Déshydratation osmotique des carottes: Effet de la vitesse d'agitation et du champ électrique pulse sur les coefficients de transfert et la couleur du produit fini, Revue Des Energies Renouvelable, Special Edition of SMSTS08, pp. 17-24

43. H. Mellouk, **L. Khezami**, S.A. Rezzoug and R. Capart (2008). "Total valorisation of red cedar (*Thuja Plicata*) sawmills wastes. Isolation of extractives and production of activated carbon from solid residue, Bio-*Resources* 3/4, pp.1156-1172. I.F: 1.396

44. E. Amami, , **L. Khezami,** E. Vorobiev, N. Kechaou (2008), Effect of Pulsed Electric Field and Osmotic Dehydration Pretreatment on the Convective Drying of Carrot Tissue. Drying Technology 26 /2, pp 231-238. I.F: 2.307

45. **L. Khezami**, A. Ould-Idris and R. Capart (2007), Activated carbon from thermo-compressed wood and other lignocellulosic precursors. Bio-Resources 2/2, pp 193-209. I.F: 1.396

46. E. Amami, A. Fersi, **L. Khezami**, E. Vorobiev, N. Kechaou (2007), Centrifugal Osmotic Dehydration and Rehydration of Carrot Tissue Pre-treated by Pulsed Electric Field. LWT - Food Science and Technology, 40/7, pp 1156-1166. I.F: 3.714

47. **L. Khezami**, A. Chetouani, B. Taouk, R. Capart (2005), Production and characterization of activated carbon from wood components in powder: Cellulose, lignin, xylan, Powder Technology, 157/1-3, pp.48-56. I.F: 3.413

48. **L. Khezami** and R. Capart (2005), Removal of chromium (VI) from aqueous solution by activated carbons: Kinetic and equilibrium studies, J. Hazardous Materials, B123/1-3, pp. 223-231. I.F: 7.65

49. R. Capart, **L. Khezami** and Alan K. Burnham (2004), Assessment of various kinetic models for the pyrolysis of a microgranular cellulose, Thermochimica Acta 417/1, pp. 79-89. I.F: 2.251

50. **L. Khezami**, R. Capart (2003), Production du charbon actif à partir de bois thermo-compressé et autres déchets végétaux. Récents Progrès en Génie des Procédés 90, pp.533-540.

51. **L. Khezami**, R. Capart (2003), Evaluation de différents modèles cinétiques appliqués à la pyrolyse de la cellulose. Récents Progrès en Génie des Procédés 90, pp 151-158.

52. L. Fagbemi, **L. Khezami** and R. Capart (2001), Pyrolysis products from different biomasses: application to the thermal cracking of tar, Applied Energy 69/1, pp. 293-306. I.F: 8.426

International and National Conference papers:

53. I. Ghiloufi , J. El Ghoul, **L. Khezami**, L. El Mir, Ga-doped ZnO for adsorption of heavy metals from aqueous solution, Materials for applications in water treatment and water splitting, 2015 E-MRS, May 11 to 15 - 2015.

54. **L. Khezami**, K. K. Taha, I. Ghiloufi, L. El Mir, Vanadium doped zinc oxide nanoparticles for efficient and fast adsorption and photocatalytic degradation of malachite green. Materials for applications in water treatment and water splitting, 2015 E-MRS, May 11 to 15 - 2015.

55. A. Jemai Bessadok**, L. Khezami**, M. HadjKali, Impact of Forced Convection and Pulsed Electric Field on the Drying Kinetics of Food Particles, World Academy of Science, Engineering and Technology, 2013 (83), pp. 809-814.

56. **L. Khezami**, Adsorption and photocatalytic degradation of Malachite green by vanadium-doped Zinc oxide nanoparticles, The International Chemical Engineering Congress 2013, Djerba – Tunisia; 16 – 19 December 2013, pp. 61-62.

57. **L. Khezami**, I. Ghiloufi, K. Amri, M. Hjiri, L. El Mir, Removal of trivalent arsenic by indium-doped zinc oxide nanopowder, The 2nd Saudi International Nanotechnology Conference, November 11-13, 2012 Riyadh, Saudi Arabia, pp. 28-30

58. **L. Khezami**, I. Ghiloufi, L. El Mir, Waste water treatment using synthetic nanoporous carbon, International Workshop on Advanced Materials for Sensors, Electronic Devices and Renewable Energy (IWASER-2012) Najran, Kingdom of Saudi Arabia, May 14-16, 2012.

59. **L. Khezami**, K. Omri, I. Ghiloufi, C. Barthou, A. Alaamer, L. El Mir, Adsorption and photocatalytic degradation of malachite green by vanadium-doped zinc oxide nanopowder, The first International Conference, Material Science and Application (ICMSA 2012)13th to 15th February 2012, Taif University, Taif, Saudi Arabia.

60. I. Ghiloufi, **L. Khezami**, L. El Mir, A. Alaamer, Radioactive wastes treatment by thermal plasma The first International Conference, Material Science and Application (ICMSA 2012)13th to 15th February 2012, Taif University, Taif, Saudi Arabia.

61. L. El Mir, **L. Khezami**, I. Ghiloufi, C. Barthou, Visible luminescence of ZnO:Ca nanopowder prepared by sol-gel method, The first International Conference, Material Science and Application (ICMSA 2012)13th to 15th February 2012, Taif University, Taif, Saudi Arabia.

62. **L. Khezami**, A. Ben Khalfa, and R. Capart, Single and Binary Adsorption of lead (II) and Nickel (II) ions on activated carbons prepared from wood by chemical activation, XIIIth conference of Recent Progress in Engineering Proceeds – from 29 November to 1 December 2011, Lille - France.

63. E. Amami, **L. Khezami**, E. Vorobiev, N. Kechaou (2008), Effect of pulsed electric field and osmotic dehydration pretreatment on the convective drying of carrot tissue, 16th International Drying Symposium – 2008, 9th - 12th November 2008, Ramoji Film City, Hyderabad – India, PII 62. http://www.ids2008.com/

64. E. Amami, **L. Khezami**, E. Vorobiev, N. Kechaou (2006). ”Effect of pulsed electric field and osmotic dehydration pre-treatment on the convective drying of carrot tissue”. 1er séminaire maghrébin sur les sciences et les technologies de séchage SMST’S 2006, 17-19 Décembre 2006, .Tozeur – Tunisie, pp. 122-128.

65. E. Amami, **L. Khezami**, E. Vorobiev, N. Kechaou, (2006). ”Effect of pulsed electric field on convective drying of carrot tissue”. 1er séminaire maghrébin sur les sciences et les technologies de séchage SMST’S 2006, Tozeur – Tunisie, pp. 116-121.

66. E. Amami, A. Fersi, **L. Khezami**, E. Vorobiev, N. Kechaou, (2006). ”Etude de l’incidence de la combinaison du CEP, du champ centrifuge et du sel sur la réhydratation et la texture de tissus de carottes”. SEMINAIRE REGIONAL 2006: Technologies douces et procédés de séparation au service de la qualité et de l'innocuité des aliments, INSAT Tunis – Tunisie, 27–29 novembre 2006.

67. E. Amami, A. Fersi, **L. Khezami**, E. Vorobiev, N. Kechaou, (2006). ”Etude paramétrique de la déshydratation osmotique centrifuge de carottes améliorées par champ électrique pulsé dans une solution ternaire sel/sucre”. SEMINAIRE REGIONAL (2006): Technologies douces et procédés de séparation au service de la qualité et de l'innocuité des aliments, INSAT Tunis – Tunisie, 31 oct–02 nov.

68. E. Amami, **L. Khezami**, E. Vorobiev, N. Kechaou (2006). ”Etude de l’effet de la vitesse d’agitation en terme de nombre de Reynolds sur la déshydratation osmotique des tissus de pommes, bananes et carottes”. SEMINAIRE REGIONAL 2006: Technologies douces et procédés de séparation au service de la qualité et de l'innocuité des aliments, novembre 2006 INSAT Tunis – Tunisie, pp. 45–51.

69. **L. Khezami**, Capart, R. (2005), Elimination du chrome hexavalent par du charbon actif: Cinétique et équilibre. 10th French conference “Congrès Société Française de Génie des Procédés", Septembre.

70. **L. Khezami**, A.B. Jemai, R. Capart, E. Vorobiev (2004), Drying of food pulps in a laboratory filter-press equipped for treatment by pulsed electric field (PEF). 9th International Conference on Engineering and Food (ICEF), Montpellier (France) 8-11 mars 2004.

71. **L. Khezami**, R. Capart, A. Chetouani, B. Taouk (2004), Production et caractérisation de charbon actif en poudre à partir des éléments constitutifs du bois : cellulose, lignine, xylane. 4th French Workshop, “colloque Science et Technologie des poudres", Compiègne 4-6 May 2004.

72. **L. Khezami**, A.B. Jemai, R. Capart, E. Vorobiev (2003), Détermination de la cinétique de séchage des particules végétales à partir des mesures d’humidité relative, 2nd French Workshop : Colloque des Sciences et Technologies de Séchage, CSTS’2003-INRST Tunisie 16 May 2003.

73. A. B. Jemai, **L. Khezami**, E. Vorobiev, R. Capart (2003), Etude de l’impact d’un Champs Electrique Pulsé sur la cinétique de séchage des carottes en morceaux, 2nd French Workshop : Colloque des Sciences et Technologies de Séchage, CSTS’2003-INRST, Tunisie (16 mai 2003).

74. R. Capart, **L. Khezami**, (2000), Production de charbon actif à partir bois thermo-compressé, 1st French Meeting on Environmental Chemistry, Nancy, France, 13-15 December 2000.

Attendances to conferences

1. Participation in the Program Review Project, Quality Assessment Deanship, June 2013.
2. Participation in the International Forum of Innovator in University Teaching May 3-5, 2013
3. Participation in workshop of Innovative Strategies to Engage Students in Collaborative Learning and Research, 4 February 2013.
4. Participation in the workshop Operational projects of the National Plan for Science, Technology and Development, Al Imam University 29 January 2013
5. Participation in "Saudi International Water Technology Conference" held in Riyadh at KACST Headquarters – Kingdom of Saudi Arabia, November, 21 – 22, 2011.
6. Participation in "International Riyadh workshop on Nanomaterials for energy storage" held in Riyadh – Kingdom of Saudi Arabia, October, 2 – 4, 2011.
7. Participation in "*Jubail International Environment Conference*", held in Jubail Industrial City. Saudi Arabia, June, 5 – 6, 2011.
8. Participating in the "*Mathematics and Its Applications Conference*", held in College of Science. Al-Imam Muhammad Bin Saud Islamic University, Riyadh, Saudi Arabia, March, 23 – 24, 2011.
9. Participating in "*Saudi International Nanotechnology Conference*", held in King Abdullah City for Science and Technology (KACST), Riyadh, November, 29 – 30, 2010.
10. Participation in the "*fourth meeting of the Saudi physical society*", the national center for mathematics and physics, Saudi Arabia during November 11 – 12, 2008.
11. Participation in "*Second Conference for the planning and development of education and scientific research in Arab countries*" held in King Fahd University of Petroleum & Minerals, Saudi Arabia, February, 24 – 27, 2008

Divers

- Reviewer in the Journal of Process Safety and Environmental Protection, since 2015
- Reviewer in the Journal of Ceramics International, since 2015
- Reviewer in the Journal of Hazardous Materials, since 2004
- Centre de Recherches et des Technologies de l'Energie, Nanomatériaux, Systèmes Électriques, Energies Renouvelable (LRCRTEn05), Route Touristique Soliman, 2050 Hammam Lif, Tunisia.
- Research member of the group Transformation Intégrées de la Matiere Renouvelable (TIMR), Compiegne, France.

References

Prof. **Richard CAPART:** Associate research and manager of the Laboratory of Energy Technology, University of Technology of Compiegne, France, BP 20529 - 60205 Compiegne cedex.
Off. : +33 3 4423 4445, Fax : +33 3 4423 1980
E-mail : richard.capart@utc.fr

Prof. **Wissam Dimassi**
CRTEn Centre des Recherches et Technologies de l'Energies, BP 95 Hamam Lif 2050 Tunisia.
Off. : ++216 97 828 000
E-mail : Dimassi_inrst@yahoo.fr