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A) Recent employment history

- Chemical engineering professor and Research Director - USTHB (1985)
- Member of the Algerian Academy of Science and Technology (2015)
- Member of the Advisory board of the Bioethics Network on Women Issues in the Arab Region established since August 2013.
- Member of Scientific Committee and reviewer of the " 5th International Disaster and Risk Conference IDRC", 24 - 28- August 2014 - Davos, Switzerland
- Reviewer at "The 2nd International Conference on Design and Modeling in Science, Education, and Technology: DeMset 2012" March 25th - 28th, 2012 Orlando, Florida, USA "
- Reviewer of the "6th European Conference on Innovation and Entrepreneurship" ICE 2011 – September 15-16, Aberdeen, Scotland, UK
- Reviewer "ICHEAP -10 The tenth International Conference on Chemical & Process Engineering 8-11 May 2011 - Florence, Italy"
- Member of the committee for the "European Conference on Innovation and Entrepreneurship" (ICE 2010). Conference in Athens on 16-17 September 2010
- Member of the " International Scientific and Technical Committee IDRC Davos 2010" (30 May - 03 June 2010 in Davos, Switzerland)
- UNESCO expert (Ethics, research, bioethics in Arab World)
- President of the scientific committee of chemical engineering department (FGMGP – USTHB)
- President of PURAQ (Pole Universitaire & Research Algerian - Quebec)
- President of the Organizing Committee of "the Second North African Region Seminar on Engineering and Technology Education» NARSETE 2 from 12 to 14 November 2007 at» M^{ed} Boudiaf » M'Sila University.
- President of the Organizing Committee of «the 2nd Mediterranean Seminar on Engineering - 2MSEE» 29-31 May 2005 - USTHB. Editor of the Proceedings
- President of the Organizing Committee of the «1st North African Region Seminar on Engineering and Technology Education» NARSETE 1-18 - May 20, 2003 - USTHB. Editor of Proceeding
- Director of NACETE: North African Centre for Engineering and Technology Education, satellite of UICEE: UNESCO International Centre of Engineering Education
- Director of the Higher Education - Ministry of Higher Education and Scientific Research, Algiers, Algeria,
- Coordinator of the "Maghreb equivalence commission Technology" (MESRS)
- Fulbright Researcher at Mechanical and Aerospace Engineering dept - Cornell University ITHACA, NY, USA. 1984 – 1991
- Director of Industrial Chemistry Institute - ICI - USTHB.
- Chair of the Scientific Committee of Industrial Chemistry Institute - USTHB.
- Head of Chemical Engineering department at Polytechnic National School (ENP) - Algiers. Assistant
- Department of Chemical Engineering National Polytechnic School, of Algiers (ENP).

B) Education

- Doctorate Es-Sciences – Chemical Engineering at National Polytechnic School. Alger (ENP) and Thames - Polytechnic School-London-UK
- Master (D.E.A.) Fluids mechanics, University of Algiers.
- Engineer in chemical engineering National Polytechnic School - Alger (ENP).
- Baccalaureate in Mathematics, College of « Hassiba Ben Bouali » – Kouba - Alger.

C) Honors

- [1]. Fulbright at Cornell University (Cornell Research particulate) Mechanical and Aerospace Engineering, Ithaca, New York- USA
- [2]. **Silver badge**; UNESCO International Center for Engineering Education (UICEE) of Honor for distinguished contributions to engineering education, outstanding achievements in the globalization of engineering education. 7th UICEE Annual Conference on Engineering Education - Mumbai, India, 9-13 February 2004.
- [3]. **Gold badge**; UNESCO International Center for Engineering Education (UICEE) of Honor for distinguished contributions to engineering education, outstanding achievements in the globalization of engineering education. 5th Global Congress on Engineering Education » Polytechnic University Brooklyn, New York, USA - 17 and 21 July 2006
- [4]. Honored by the **President** of the Republic of Algeria, Algiers on 8 March 2007, for accomplishment and participation in the development of the country.
- [5]. **UICEE Order** for excellence in Engineering Education. Athens 23 February 2008 at T.E.I of Piraeus- Greece.

D) Publications

- [1]. A. Kamel, Z. Salem, R Chemini, M. Khodja, K. Allia (2018). Characterization of Natural sand proppant used in hydraulic fracturing fluids. Particulate science and technology. <https://doi.org/10.1080/02726351.2018.1438542>. Publiée en ligne le 13.04.2018 Pages 712-720 | Published online: 13 Apr. 2018 ; Volume 37, 2019 - Issue 6
- [2]. Lamia Hamdi, Leila Boumehdi Toumi, Zineb Salem, Khedidja Allia, 2016. *Full factorial experimental design applied to methylene blue adsorption onto Alfa stems*. Desalination and Water Treatment. Vol 57, 6098–6105 | DOI: 10.1080/19443994.2015.1029003
- [3]. Supercritical CO₂ extraction of triterpenes from rosemary leaves: Kinetics and modelling. O. Bensebia, B. Bensebia, K. Allia & D. Barth. Separation Science and Technology, vol 51, issue 13, 2016, 2174-2182. DOI: 10.1080/01496395.2016.1202977
- [4]. Effects of drying temperature on the total phenolic, flavonoids contents and antiradical activity of dried sage leaves. Bensebia, O; Issadi, MH; Allia, K: Planta Medica; Issue S 01, 2016, Planta Med 2016; 82(S 01): S1-S381. DOI: 10.1055/s-0036-1597049
- [5]. Analysis of adsorption-desorption moisture isotherms of rosemary leaves. O. Bensebia, K. Allia. Journal of Applied Research on Medicinal and Aromatic plants, vol 3, issue 3, 2016, 79-86. DOI [10.1016/j.jarmap.2016.01.005](https://doi.org/10.1016/j.jarmap.2016.01.005)
- [6]. Formation des ingénieurs et les nouveaux défis du développement durable. Workshop CREAD- K. Allia. 18- 20 December 2018
- [7]. Trends in engineering education: Programs' content, implementation to meet current challenges. K. Allia. International Conference on Industrial Engineering and Operations Management Kuala Lumpur, Malaysia, March 8-10, 2016
- [8]. Impact des ressources énergétiques non conventionnelles (RNC) sur l'Environnement. « Désertification, Environnement, Urbanisation : Enjeux Scientifiques et Technologiques pour l'Algérie » K. Allia. Colloque coorganisé par l'Académie Algérienne des Sciences et des Technologies (AAST) & l'Académie des Sciences de France (ASF)- Paris (France), 06 et 07 novembre 2019
- [9]. Analysis of adsorption-desorption moisture isotherms of rosemary leaves. O. Bensebia, K. Allia. Journal of Applied Research on Medicinal and Aromatic plants, vol 3, issue 3, 2016, 79-86. DOI [10.1016/j.jarmap.2016.01.005](https://doi.org/10.1016/j.jarmap.2016.01.005)
- [10]. Effects of drying temperature on the total phenolic, flavonoids contents and antiradical activity of dried sage leaves. Bensebia, O; Issadi, MH; Allia, K: Planta Medica; Issue S 01, 2016, Planta Med 2016; 82(S 01): S1-S381. DOI: 10.1055/s-0036-1597049.

E) Recent conferences participation

- [1]. Batch Adsorption of Methylene Blue from Aqueous Solutions by Untreated Alfa Grass, Desalination and Water Treatment, DOI: 10.1080/19443994.2013.846236. Boumehdi Toumi L., Hamdi L., Salem Z., and Allia K., 2015
- [2]. Full factorial experimental design applied to methylene blue adsorption onto Alfa stems. Lamia Hamdi, Leila Boumehdi Toumi, Zineb Salem, Khedidja Allia. Desalination and Water Treatment pp. 1-8 | DOI: 10.1080/19443994.2015.1029003 Published online: 07 April 2015.
- [3]. Drying and Extraction Kinetics of Rosemary Leaves: Experiments and Modeling. O. Bensebia & K. Allia (2015). Journal of Essential Oil-Bearing Plants, Vol. 18, 1, 2015 DOI: 10.1080/0972060X.2014.901620.
- [4]. Removal of Basic Red 46 dye from aqueous solutions by untreated Alfa grass. N. Cherid, L. Hamdi, L. Boumehdi Toumi, Z. Salem and K. Allia. International Porous and Powder Materials. The Symposium and Exhibition, 15-18 September 2015 Izmir Turkey.
- [5]. Analysis of adsorption–desorption moisture isotherms of rosemary leaves. O. Bensebia and K. Allia Volume 3, Issue 3, September 2016, P 79-86. <https://doi.org/10.1016/j.jarmap.2016.01.005>
- [6]. Wet granulation of cereal grains in a tapered fluidized bed. Leila Boumehdi Toumi, Soumaya Rezzak and Khedidja

- Allia. 11th International Conference on Chemical and Process Engineering 2-5 June Milan, Italy. Chemical Engineering Transactions, 32, 2149-2154 DOI: 10.3303/CET1332359. ISSN-1974-9791/ ISBN978-88-95608 2013
- [7]. Batch Adsorption of Methylene Blue from Aqueous Solutions by Untreated Alfa Grass, Desalination and Water Treatment, DOI: 10.1080/19443994.2013.846236. Boumehdi Toumi L., Hamdi L., Salem Z., and Allia K., 2013
 - [8]. Petroleum Industry Wastes Management: Biotreatment Of Oily Drilled Cuttings Z; SALEM, H; BOUTAMINE, M. KHODJA et K. ALLIA. (2017) International Congress of Energy and Environment Engineering and Management (CIIEM7) University of Extremadura, Las Palmas Gran Canaria. Espagne.17 au 19 Juillet.
 - [9]. Contribution of different mass transfer resistances in supercritical CO₂ extraction of bioactive compounds from rosemary leaves. O. Bensebia, B. Bensebia, K. Allia, D. Barth.10th World Congress of Chemical Engineering, October 1-5, 2017, Barcelona, Spain.
 - [10]. Supercritical CO₂ fractionation of sage leaves. 22nd International Congress of Chemical and Process Engineering. O. Bensebia, B. Bensebia, K. Allia, D. Barth. CHISA 27-31 August 2016 Prague, Czech Republic
 - [11]. Drying kinetics and extraction kinetics of rosemary leaves: experiments and modeling. **O. Bensebia**, K. Allia. **Journal of Essential Oils Bearing Plants**, 18(1), 2015, 99-111. DOI: 10.1080/0972060X.2014.901620.
 - [12]. Extraction of phenolic compounds from dried rosemary leaves using supercritical CO₂ and conventional methods O. Bensebia, B. Bensebia, K. Allia, D. Barth. 21st International Congress of Chemical and Process Engineering. CHISA 23-27 August 2014 Prague, Czech Republic.
 - [13]. Expert Meeting on Ethical and Legal Issues in Human Embryo Research 12 – 14 February 2008, Cairo, Egypt organized (UNESCO) Office in Cairo, World Health Organization Regional Office for the Eastern Mediterranean (WHO/EMRO) and the Islamic Educational, Scientific and Cultural Organization (ISESCO).
 - [14]. «Engineering Education and ethics in Risk Management” -International Disaster and Risk Conference IDRC-Davos, Switzerland August 25 – 29, 2008.”
 - [15]. “Engineering Ethics and Chemical Engineering Education”-8th World Congress of Chemical Engineering (WCCE8) -Montreal from 23 to 27 August 2009.
 - [16]. “What engineering students should learn during their training?”-3rd International Disaster and Risk Conference IDRC - 30 May to 3 June 2010, Davos, Switzerland
 - [17]. Training of Engineers and the Current Challenges for Southern Universities” - 15th International Conference for Women Engineers and Scientists - (INWES) - Adelaide (Australia) from 19-22 July 2011.
 - [18]. Ethics and Law in Biomedicine and Genetics: An Overview of National regulations in the Arab World States. UNESCO. Cairo Office- 2011
 - [19]. Engineering education and the new challenges of the 21st century- NYU- Abu Dhabi and NYU Polytechnic. International Conference of the Future of Engineering Education”. Abu Dhabi- March 11 - 13, 2012.
 - [20]. Engineering Education and the Need to Address Some Challenges of the 21st Century, In Terms of Training Transformation. 4th International Disaster and Risk Conference IDRC - 26 -30 August 2012 - Davos, Switzerland.
 - [21]. Défis de la formation des ingénieurs en Génie des Procédés pour répondre aux enjeux du 21^{ème} siècle : cas de la formation en génie pharmaceutique" First Seminar in Engineering, Health and Analysis 05th May 2013, Algiers, Algeria
 - [22]. Women in Science: The "Leaking Pipeline case of Algeria "Roundtable on Science and Diplomacy": Central Europe and Southern Mediterranean - Sharing experiences in the framework of the 2013.
 - [23]. Italo-Hungarian International Year of Culture and Science Budapest, 2013 April 7-8" (invited by Hungarian Academy of Sciences and TWAS)
 - [24]. [86]. Regional Conference “Bioethics Issues for Women: Ethics of Reproductive Health – Social and Political Conditions in Arab Countries”. Beirut - 8 February 2014
 - [25]. Fate, management, and treatment of hazardous waste: Case of expired pharmaceuticals”5th International Disaster and Risk Conference IDRC - 24 -28 August 2014 - Davos, Switzerland
 - [26]. “Engineers' training to meet the challenges of the century: case of southern countries”. 16th International Conference for Women Engineers and Scientists (ICWES 16) - 23 - 25 October 2014, LA – USA.
 - [27]. A paradoxical state of gender equity in light of the results of female students and graduates of higher education”. OWSD Fifth International Conference: Women Scientists in a Quest for Sustainability- September 17th - 20th, 2014 Cuernavaca, Morelos, Mexico.
 - [28]. [90]. Management, hazardous waste treatment and environmental impact. Khedidja. Allia. “Our Common Future under Climate Change”. International Scientific Conference – UNESCO from.
 - [29]. Impact des ressources énergétiques non conventionnelles (RNC) sur l'Environnement. **K. Allia** « Désertification, Environnement, Urbanisation : Enjeux Scientifiques et Technologiques pour l'Algérie » Colloque coorganisé par l'Académie Algérienne des Sciences et des Technologies (AAST) & l'Académie des sciences de France (ASF)- Paris (France), 06 et 07 novembre 2019
 - [30]. Formation des ingénieurs et les défis du développement durable. (2019). Journée Internationale des Femmes et Filles de Science. (<http://www.un.org/fr/events/women-and-girls-in-science-day/>). le 11 Février 2019- USTHB.