

Curriculum Vitae



Personal information

- **Personal**

- Prof. KABOUCHE Azeddine
- Professor, Physics measurements department, University of Oum El Bouaghi, Algeria.
- E-mail: kabouche66@yahoo.fr
- Mobile: 0771177917

- **Researcher identity**

- Google Scholar: https://scholar.google.com/citations?user=ge_7sC8AAAAAJ&hl=fr&oi=sra
- ResearchGate: <https://www.researchgate.net/profile/Azeddine-Kabouche>
- ORCID: <https://orcid.org/0000-0001-6760-8078>

Education

- **Ph.D.'s degree** in Chemical Engineering
- **Master's degree** in Chemical Engineering
- **License's degree** in Chemical Engineering

Functions and Affiliations

- 21 November 98 Assistant-Master
- 21 November 99 Assistant Lecturer
- 21 November 2008 Lecturer Class B
- 19 July 2011 Lecturer Class A
- 14 July 2016 Professor

Teaching modules

Analysis of chemical compounds

Calculation of chemical reactors I

Calculation of chemical reactors II

Unit operations II

Numerical analysis and informatics

Electrochemistry

Computer-aided design

Industrial Chemistry

TP organic; TP surPiloted'absorption ; TP surPilote cascade de réacteur; TP surPilote de transfert de chaleur; TP surPilote de régulation

TD Thermodynamics and chemical kinetics
 Terminology (Arabic-French-English)
 Atomic structure of molecules (1st Year physical measurements)
 Chemical Analysis (1st Year Physical Measurements)
 Informatics (1st Year Physical Measurements)
 Metrology 2 quality 1 (2nd Year physical measurements)
 Electrochemical and separation analysis (2nd Year physical measurements)
 Metrology 3 (2nd Year Physical Measurements)
 Heat transfer; PPP (projet personnel professionnel)
 At Mentouri Constantine University between 2001-2005
 Implementation of the Absorption Pilot and practical work
 TP de regulation; TP surPilote de transfert de chaleur

International publications

- Meniai A-H and Kabouche A, « Simulation of the interaction of dispersed and the continuous phases in liquide -liquid Extraction process by the Monte Carlo method », CAGEP Alger Dec 1996
- Kabouche A and Meniai A-H « A drop population balance for the simulation of liquid-liquid Extraction process », CAGEP Alger Dec 1996
- Kabouche A, Meniai A-H and Bencheikh le hocine « Modélisation et simulation de l'absorption réactive », 3 journées du CAGEP, Ourgla Dec 2001
- Kabouche A, Meniai A-H and Bencheikh Le hocine «Simulation d'une colonne de distillation par un modèle d'équilibre », 6 journées de la SAC Setif, Mai 2002
- Kabouche, A.; Meniai, A-H.; Bencheikhlehocine, M., Modeling the absoption of acidic gases by alkanoamines solutions incorporating several reactions. Chem. Eng.Techol. 2005, 28, 67-71.
- Kabouche A, Meniai A-H and Bencheikh Le hocine « simulation dynamique d'une colonne d'absorption en utilisant un modèled'equilibre », JNJP1 Oran, Mai 2005
- Kabouche A, Meniai A-H, Bencheikh Le hocine, modelisation de l'absorption des gaz à effet de serre en utilisantunecolonne reactive. JCH2, EMP, Alger, Mars 2007
- Kabouche A, Meniai A-H, Hasseine A, Couplage des théories de transfert des systèmesréactifsmulticonstituants. CIGP'07 Bejaia, Oct. 2007
- Kabouche A, Meniai A, Rôle des alcanolaminesdansl'élimination du dioxyde de carbone et le sulfure d'hydrogène. Int. Cong.Phot. & Env. Constantine, Mai 2008
- Hasseine A, Kabouche A, Estimation des paramètres de coalescence par méthode inverse. 8 Congress of Chemical Engineering, Montréal, aout 2009
- Meniai A-H, Hasseine A., Saouli W., Kabouche A., Modelling of the Interaction of the Dispersed and the Continuous Phases in A Liquid-Liquid Extraction Column. In Multiphase Flow research, 2009 Nova Science Publisher inc. USA, Editors: S.Martin and J.R.Williams, ISBN: 978-1-60692-448-8 (book Chapter)

- Kabouche A, Meniai A, Modelling of the reactive absorption process using an equilibrium concept. Trends in Chemical Engineering, volume 12, 2009, 71-77
- Kabouche A, Meniai A, Mécanismes d'absorption de gaz par les alcanolamines et leurs rôles dans la protection de l'environnement. SNCAATM. OEB, Oct 2010
- Hasseine A., Kabouche A., Meniai A-H., Korichi M., Salting effect of NaCl and KCl equilibria of water + ethyl acetate + ethanol system and interaction Parameters Estimation Using the Genetic Algorithm. Desalination & Water Treatment 2011, 29, 47-55 (Francis & Taylor)
- Kabouche A., Meniai A-H., Hasseine A., Estimation of Coalescence Parameters in an Agitated Extraction Column Using a Hybrid Algorithm. Chem. Eng. Technol. 2011, 34, 784-790 (Wiley-VCH) Impact factor (2011): 1.39
- Merzougui A., Hasseine A., Kabouche A., Korichi M., LLE for the extraction of alcohol from aqueous solutions with diethyl ether and dichloromethane at 293.15 K, parameter estimation using a hybrid genetic based approach. Fluid Phase Equilibria 2011, 309, 161-169 (Elsevier)
- Conférence sur la CAO sous Chemcad, Journée d'étude du département de génie des procédés. Oum El Bouaghi 12/04/2012
- Kabouche A., Boulouf A., Abidi A., Gherraf N., Interaction parameter estimation in liquid-liquid phase equilibrium modeling using stochastic and hybrid algorithms. Fluid Phase Equilibria 2012, 336, 113-121 (Elsevier)
- Djaballah ML, Kabouche A. Vapour-Liquid Equilibrium Prediction of Carbon Dioxide in an Aqueous Alkanolamine Solution Using Deterministic and Stochastic Algorithms. Chemical Engineering Transactions. 2015; 43: 1837-42.
- Chebouat E., Dadamoussa B., Kabouche A., Allaoui M. Gas chromatography-mass spectrometry (GC-MS) analysis of the crude alkaloid extract of *Ziziphus mauritiana* Lam., grown in Algerian. Journal of Medicinal Plants Research. 2013; 20: 1511-1514
- Abdenabi Abidi, Azeddine Kabouche, Nourddine Gherraf, Study of the Tangential Nanofiltration of Orthophosphate Ions in Batch: Effects of Concentration, pH and Ionic Composition. International Journal of ChemTech Research. 2015, 8, 2201 – 2218
- Boulouf, A., Kabouche, A., & Ladjel, S. (2016). Application of Genetic Algorithms (GA) and Threshold Acceptance (TA) to a Ternary Liquid-Liquid Equilibrium System. International Review on Modelling and Simulations (IREMOS), 9(1), 29-36.
- Boudjouada, M., Salhi, R., Bekhbekh, S., Kabouche, A., & Gherraf, N. (2016). Spectrophotometric Determination of Chromium, Copper, Nickel and Iron in Electroplating Hydroxide Sludges. Asian Journal of Chemistry, 28(5), 1079.
- Gherraf, N., Zellagui, A., Kabouche, A., Lahouel, M., Salhi, R., & Rhouati, S. (2017). Chemical constituents and antimicrobial activity of essential oils of *Ammodaucus leucotricus*. Arabian Journal of Chemistry (Elsevier)

- Djaballah ML, Kabouche A. (2018). Modelling Vapor-liquid equilibrium of CO₂ in aqueous MEA using hybrid geneticbased algorithm. Dec. 09-10, 2018 ENPC, JSSE' 18. ISBN: 978-9931-9503-0-1
- Boulouf, A., Kabouche, A., & Gherraf, N. Volume 18 (2020). Study of interaction parameters in liquid-liquid equilibrium of ternary systems with evolutionary algorithms. International Journal of chemical and biochemical Sciences. ISSN : 2226-9614.
- Kabouche A. Juillet(2020) . Etude de l'élimination de CO₂ et H₂S par absorption réactive: Test du couplage de différentes théories de transfert de matière. ISBN-10 : 3838149289 , ISBN-13 : 978-3838149288
- Hasseine A., Athmani K., Kabouche A., Laiadhi D., Amraoui L. Biskra14 Mars (2023). 1st International Seminar on Chemical Process & Environment.

Interests and Qualifications

- National service military form with six months contract, rank second lieutenant
- Jury member in engineering thesis defending
- Jury member in Master's thesis defending II
- Research project on alkanolamines gas treatment : J0401/01/80/06
- Member of expertise commission of laboratory material, University of Larbi ben M'hidi Oum El Bouaghi, 2007/2008 & 2008/2009
- Expertise- Eastern Regional Conference 2008/2009
- participated in the development of educational programs for the LMD Master in Chemical Process Engineering
- expertise of laboratory material 2009/2010 et 2010/2011.
- Atomic absorption spectrophotometer with training on NOVA400.
- Member of a research project on transfer phenomena : J0101420080011.
- Head of process engineering at the University of Oum El Bouaghi since 19 May 2011.
- Technology Training TIC, Atelier Transfert 2.1 « Gestion de la rédaction et de la publication scientifique ». Oum El Bouaghi of 22-26 April 2012
- Realization of online courses: Courses, projects and CAD TP Module GC-04 of Master 2 GC
- Member of the doctoral defense and university habilitation jury between 2011-2020 (University of Constantine 3, University of Ouargla, University of Oum El Bouaghi, University of Biskra)
- Course expertise and habilitation between 2011-2020
- Preparation of Doctorat LMD topics (Université de Ouargla-2013)

- Preparation of Doctorat LMDtopics(Université Constantine 3- 2018,2019)
- Preparation of Doctorat LMDtopics(Université de Biskra-2019)
- Preparation of Doctorat LMDtopics(Université Constantine 3- 2021,2022)