

Dr. CHERIF (born AOUALI) Leïla

Professor

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Academic profile: January 1983: Chemical Engineer -Polytechnic School of Algiers

May 1987 : Ph.D in Applied chemical kinetics - University of Pierre et Marie Curie

Current position: Professor in chemistry – University of Tlemcen

Research area: Presently our research activities are focused on the synthesis of mesoporous oxides via different strategies and their applications in acid catalysis, atmospheric pollution treatment, production of hydrogen by steam reforming of ethanol and water pollution treatment. Several papers have been published in peer reviewed journals.

Selected Publications

- Structural evolution of calcium –exchanged $(\text{NH}_4)_2\text{SiF}_6$ –dealuminated-Y Zeolite after various chemical treatments. **Colloids and surfaces A: physicochem.eng.aspects, 220, (2003) 83**
- Structural evolution of calcium or Lanthanum-exchanged $(\text{NH}_4)_2\text{SiF}_6$ -dealuminated Y zeolite after various chemical treatments. **Studies in Surface Science and Catalysis 154 (2004)1418**
- GaSBA-15: a new and active Friedel-Crafts acylation catalyst. **Studies in Surface Science and Catalysis, 158 (2005) 1413**
- Ga doped SBA-15 as an active and stable catalyst for Friedel crafts liquid phase acylation. **Applied Catalysis A: General, 298, (2006) 194**
- One-pot synthesis of GaSBA-15 : Activity comparison with Ga-post-treated SBA-15 catalysts. **Applied Catalysis A: General, 316 (2007) 219**
- The effect of the use of lanthanum-doped mesoporous SBA-15 on the performance of Pt/SBA-15 and Pd/SBA-15 catalysts for total oxidation of toluene . **Applied Catalysis A: General 351 (2008) 82–87**
- Benzoylation of anisole catalysed by Ga/SBA-15 supported on β -SiC . **Studies in Surface Science and Catalysis Volume 174, Part 2, Pages 1307-1310 (2008).**

- Synthesis of mesoporous Chromium silicates molecular sieves in strong acidic media by assembly of preformed CrS1 precursors with triblock copolymer. **Chemistry and Chemical Engineering Vol.5, No. 2(2011)177**
- Benzoylation of anisole catalysed by Ga/SBA-15 Supported on carbon nanofibers composite (C-NFC) **Catalysis Communications Vol. 12, Issue 9(2011) 790**
- Total oxidation of toluene over Pd/mesoporous materials catalysts; **chimica oggi/Chemistry Today - vol. 30 n° 4 2012.**
- Nanocast ordered Mesoporous Ceria as Support for Highly Active Gold Catalysts for Toluene total Oxidation. **International Journal of Chemistry, , Vol.34, Issue.1(2013) 1131-1137**
- Heterogeneous Advanced Photo-Fenton Oxidation of Phenolic Aqueous Solutions over Iron-Containing SBA-15 Catalyst. **Journal of Chemistry and Chemical Engineering. Vol.7 (2013) 797-802**
- Wastewater treatment by cyclodextrin polymers and noble metal/mesoporous TiO₂ photocatalysts. **C. R. Chimie 18 (2015) 23–31**
- New Nano Silver/Ceria Catalyst For Atmospheric Pollution Treatment. **Nano Vol. 10, No. 3 (2015) 1550043(-1-7)**
- Photocatalytic degradation of methyl orange and real wastewater by silver doped mesoporous TiO₂ catalysts. **Journal of Photochemistry and Photobiology A: Chemistry 318 (2016) 142–149**
- Adsorption of lead (II) on mesoporous carbon CMK-3 from single, binary and ternary metal aqueous solution. **Chimica Oggi - Chemistry Today - vol. 34(2)(2016)32-36**
- Total oxidation of toluene over gold supported on mesoporous ferrisilicates materials. **Int. J. Environment and Pollution.(2016) In Press**