

CURRICULUM VITAE

PERSONAL DATA:

LAST NAME: JLASSI

First Name: Khouloud

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Marital Status: Single

Date of Birth: 26/April/1984

Gender: Female

Country of Origin: Tunisia

Present Nationality: Tunisia

Languages and Fluency: French, Spanish, Arabic, English.

EDUCATION:

- **PhD degree.** Chemistry (Surfaces, Interfaces, Functional Materials) University Paris Diderot, ITODYS, UMR7086, Paris, France **25/09/2015**.
- **Master's degree,** Chemistry (industrial Chemistry) - INSAT (*National Institute of Applied Science and Technology*), Tunis, Tunisia. **2009-2011**.
- **Engineering degree** Chemistry (industrial Chemistry) - INSAT (*National Institute of Applied Science and Technology*), Tunis, Tunisia. **2003-2009**.

WORK HISTORY:

- **Post doc Researcher:** Center of advanced materials, Qatar university , NPRP No: 8-878-1-172: Rational design of environmentally-Friendly Polymer-carbon dot composite light emitting diodes for displays and solid state lighting, led by Prof Igor Krupa (2octobre 2016).
- **Post doc Researcher-Assistant:** Support Project System for Research and Innovation (PASRI) program funded by the European Union, / Device Doctor MOBIDOC (2015-2016).
- **Teacher Assistant** (contractual) in Higher Institute of Environmental Science and Technology (ISSTE). (2011-2015).

- Dissertation on “*exfoliated Clay/ polymers nanocomposites: new strategies for preparations and applications as catalysts and polymer matrix nanoreinforcements*”. Project funded by Campus France/IFCEPAR/CEFIPRA.India/Ministry of Higher Education.Tunisia. Under the guidance of Prof. Sabu Thomas, Prof. Mohamed M. Chehimi and Prof. Mémia Benna Zayanni
- Hands off experience in using instruments like Fourier transform infrared spectroscopy (FTIR), Nuclear magnetic resonance spectroscopy (NMR), Small angle X-ray scattering (SAXS), Wide angle X-ray scattering (WAXS), (XPS) X-rays Photoelectron Spectroscopy.
- M.Sc. Dissertation on “*Adsorption of calix [4] arene on natural and organophilic clays: characterization and metals extraction*”, project carried out at the Regional Research Laboratory (LacresNe), Bizerte, department of Chemistry under the guidance of Prof.Mémia Benna Zayanni.
- Engineering degree dissertation on “*qualification of HPLC chain and validation of analytical method of active ingredient detection in a pharmaceutical preparation*” project carried out in MEDIVET Laboratory (Soliman), Tunis, under the guidance of Prof. Khether Ilyass.

➤ ***International collaborations***

- ❖ Paris Diderot University, France.
- ❖ Mahatma Gandhi University, India.
- ❖ Istanbul Technical University, Turkey
- ❖ Delaware University, United States.

➤ **Publications (journal articles)**

- ***Khouloud Jlassi, Ajay Singh, Dinesh K. Aswal, Remi Losno, Memia Benna-Zayani, Mohamed M. Chehimi*** . Novel, ternary clay /polypyrrole /silver hybrid materials through in situ photopolymerisation. COLLOIDS AND SURFACES A: PHYSICOCHEM. ENG. ASPECTS 439 (2013) 193– 199.
- ***Khouloud Jlassi, Memia Benna-Zayani, Mohamed M. Chehimi, Yusuf Yagci***. Efficient Photoinduced In situ preparation of Clay/Polyglycidyl methacrylate nanocomposites using hydrogen donor Silane.. JOURNAL OF POLYMER SCIENCE, PART A: POLYMER CHEMISTRY 53 (2015). 800-808.
- ***Khouloud Jlassi, Ahmed Mekki, Memia Benna-Zayani, Ajay Singh, e Dinesh K. Aswale and Mohamed M. Chehimi***. Exfoliated clay/polyaniline nanocomposites through tandem, diazonium, cation exchange reactions and in situ oxidative polymerisation of aniline. RSC ADVANCES 4 (2014) 65213–65222.
- ***. Khouloud Jlassi, Sarath Chandran. Matej Mičušík. Memia Benna-Zayani, Yusuf Yagci, Sabu Thomas, Mohamed M. Chehimi***. Poly (glycidyl methacrylate)-grafted clay nanofiller for highly transparent and mechanically robust epoxy composites European Polymer Journal. Volume 72, November 2015, Pages 89–101.
- ***Khouloud Jlassi, Sarath Chandran. Memia Benna-Zayani, Sabu Thomas, Mohamed M. Chehimi***. Polyaniline-clay hybrid through diazonium interface chemistry: conductive nanofiller for epoxy matrix nanocomposites- *Langmuir*, **2016**, 32 (14), pp 3514–3524.
- ***Khouloud Jlassi, Samia mahouch. Memia Benna-Zayani, , Mohamed M. Chehimi***. Novel, clay/calix[4]arene through ultra fast photoinduced Thiol-Yne addition (Communicated to RSC advance).

➤ **Books**

- Morphology, structure and properties of inorganic clays and their polymer hybrid nanocomposites-*Jlassi Khouloud, Mohamed Chehimi, Sabu Thomas*-Elsevier Publishing (ID: DBC24071-1268-47C9-B870-3753111F8AE6).

➤ ***International Communications***

- ***K.Jlassi, A. Mekki, M. Benna-Zayani, S. A. Hussain, S. Thomas, M. M. Chehimi .*** Eurofillers polymer blend at Montpellier; France (avril 2015), oral presentation: Hairy fillers through sequential diazonium chemistry and surface-confined polymerization. <http://eurofillerspolymerblends2015.mines-ales.fr/>
- ***k. Jlassi, A. Mekki, M. Benna-Zayani, M. M. Chehimi .*** Second International conference on nanostructured materials and nanocomposites à Kerala; Inde (decembre 2014) –oral presentation Exfoliated clay/polyaniline nanocomposites through tandem diazonium cation exchange reactions. <https://secondinternationalconferenceonnanostructuredmaterialsandnanocomposites>
- ***k. Jlassi, short invited talk.*** International seminar on novel Aspects in Materials Science (ISNAMS), Valanchery College; Inde (mars2015). <http://meskvmcollege.org/research.php>
- ***k. Jlassi, A. Mekki, M. Benna-Zayani, M. M. Chehimi .*** International conference on Science and Engineering of Polymeric Materials; Hammamet; Tunisie (SEPM 2014) oral presentation: Nouveaux matériaux hybrides argile/polypyrrole-Ag. <http://www.sctunisie.org/sepm2014/programm.html>
- ***K. Jlassi, P. Govindh. M. Benna-Zayani. S. Thomas. M. M. Chehimi .*** Fourth International conference on natural polymers and biomaterials à Kerala; Inde (avril 2015) ,Poster: Mesoporous ternary composite matrices of Agarose-nano bentonite-Fibrin. <http://www.biopolymers.macromol.in/programme.html>

➤ ***Professional experiences:***

- ***Teacher Assistant (PhD student-contractual) in Higher Institute of Environmental Science and Technology (ISSTE). (2011-2015).***
- ✓ 2011-2012: Inorganic and general chemistry
- ✓ 2012-2013: Crystallography and general chemistry
- ✓ 2013-2014: General chemistry and crystallography
- ✓ 2014-2015: Inorganic, mineral and general chemistry

➤ ***IT SKILLS:***

- Matlab, Mathematica, Origin8.5, ChemDraw, Microsoft Office Word, Microsoft Office Excel, Microsoft Office Power point

➤ ***Area of interest:***

- Reading, web, traveling, swimming. Associative work.