



AZAHARA ALBÉNDIZ

MS. SCIENCE ON MATERIALS/ CHEMICAL ENGINEER

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EDUCATION

- PhD candidate**
 2014 - 2019
 - Industrial PhD**
 (TDK & University of Málaga)
Humidity protection in film capacitors: design rules and material selection.
- Project Ms. Sc.**
 2009 - 2010
 - Applied Physics & Material Sc.**
"Characterization of thin film of SiO2 coated by RF Magnetron Sputtering to be applied as antireflective coating in solar cells".
- Master of Science**
 2008 - 2010
 - Applied Physics & Material Science**
"Advance Chemistry. Materials preparation and characterization." XPS, AFM, DRX, FIB_SEM-EDX, TEM, EIS, FTIR, Raman, Contact Angle, Profilemetry, RMN, etc.)
 University of Málaga
- Chemical Engineer**
 2001 -2008
 - University of Málaga**

TRAINING

Chemical Engineer | June-August 2007
 Process Engineering Dept.
 Technische Universität München (TÜM)

CONGRESS AND PUBLICATIONS

- Aug. 2018 | International PCT App. (GPTO)
- Jan. 2018 | Spanish Patent Filing (OEPM)
 Title of invention: "Design rules for humidity protection in metallized film capacitors".
- June 2016 | II TDK Workshop between BGs.
 "Potting Material Exchange".
- Sept. 2015 | 16th ECASIA. Oral Contribution
 "Improvement of performance by a low-pressure microwave O2 plasma treatment in the interface of polymeric encapsulation of film capacitor for power electronics".
- June 2015 | European Polymer Congress.
 Lecture: "Encapsulation of film capacitors for power electronics. Study and characterization of adhesion between polymeric materials".
- May 2015 | I TDK Workshop between BGs.
 "Potting Material Exchange".

EXPERIENCE

- 2013 - Present
 - TDK Electronics Components S.A.U. (Central R&D Dept.)**
 Project Development Manager
 Material expert
- 2009 - 2016
 - TDK Electronics Components S.A.U. (Power Electronic Film Capacitors R&D Dept.)**
 Design & Development Engineer
- 2008
 - ISOFOTÓN (R&D Dept.)**
 Chemical Engineer

SKILLS

- Problem solving
- Creativity
- Analytical
- Proactivity
- Project Management
- Materials

HOBBIES

