

 **Dr. AYMEN Jemaa**

 Date of birth: ***28/10/1985 in Teboulba, Tunisia.***

 Nationality:***Tunisian***

 Civil status:***Married***

 Phone Number:***00 216 97 27 57 25***

ORCID Id : ***orcid.org/0000-0001-9808-7279***

E-mail: jemaa\_aymen@yahoo.fr

##### STUDIES AND DEGREES

2012-2018 Doctorate degree in Electrical Engineering obtained at the National School of Engineering of Monastir.

2010-2012 Master's degree in Electrical Engineeringobtained at the National School of Engineering of Monastir.

2007-2010 National Diploma of Computer Engineering Real-time specialty obtained at Higher Institute of Applied Sciences and Technology of Sousse.

2004-2007 Higher Technician Diploma in Computer Science specialty Computer Networks obtained at Higher Institute of Technological Studies of Sousse.

2004 Baccalaureate diploma mathematical specialty

##### PROFESSIONAL EXPERIENCE

2018 – 2019 Engineer of development software and web applications with different platform and support at SWT (Study Working & Travel) company, Tunisia.

2015 1 month doctoral internship at the Faculty of Electrical Engineering of Bucharest-Romania.

**2012- 2018 Title of the PhD thesis: Study and Hardware Implementation of the Control of an Autonomous Wind Energy Photovoltaic System Feeding an Isolated site.**

2012 Validation of the training course of Master Electrical Engineering.

**2010-2012 Title of the Master thesis: Study and implementation of a FPGA neuro-fuzzy MPPT command**

2010 Internship Project End of Study for 6 months at the company “AZUREX”,Tunisia, subject: Automation of a washer-extractor machine

2007 Internship Project End of Study for 6 months at the company“INSEN”,Tunisia, subject:Implementing an LDAP directory on UNIX system.

#### teaching

2013-2014 Substitute teacherat Higher Institute of Applied Sciences and Technology of Sousse.

2012-2013 Substitute teacherat Higher Institute of Applied Sciences and Technology of Sousse.

2012 Validation of the pedagogical internship at the National School of Engineering of Monastir.

2011-2012 Substitute teacherat Higher Institute of Applied Sciences and Technology of Sousse.

2011-2012 Substitute teacherat Faculty of Letters and Human Sciences of Sousse

2011 Engineering group training on visual basic 6 at the National School of Engineering of Monastir.



##### SCIENTIFIC ARTICLES

2015 Article ‘‘Comparison of Hill-Climbing and Artificial Neural Network Maximum Power Point Tracking Techniques for Photovoltaic Modules’’at the second International Conference "MATHEMATICS AND COMPUTERS IN SCIENCES AND INDUSTRY", Malta 2015.

2016 Article‘‘Comparison of Fuzzy and Neuro-Fuzzy Controllers for Maximum Power Point Tracking of Photovoltaic Modules’’International Conference on Renewable Energy and Power Quality (ICREPQ'16), Spain 2016.

2016 Article ‘‘Maximum Power Point Tracking of Photovoltaic Modules :Comparison of Fuzzy Logic and Artificial Network Controllers’ Performances’’at the Third International Conference "MATHEMATICS AND COMPUTERS IN SCIENCES AND INDUSTRY", China 2016.

2016 Article ‘‘Maximum Power Point Tracking of Photovoltaic Modules Comparison of Neuro-Fuzzy (ANFIS) and Artificial Network Controllers Performances’’, NAUN, Vol-3, 2016, Page 53-57.

2016 Article ‘‘Performance Assessment of a Wind Turbine using Fuzzy Logic and Artificial Network Controllers’’,IJAEMS, Vol-2, Issue-12, Dec-2016, Page 1988-1994.

2016 Article ‘‘Extracting Maximum Power from Wind Turbines using Tip Speed Ratio, HillClimbing and NeuralNetwork controllers’’, IJAREEIE, Vol-5, Issue-12, Dec-2016, Page 8801-8808.

2018 Article ‘‘[Hardware Implementation of a Fuzzy Logic Controller for a Hybrid Wind-Solar System in an Isolated Site](https://www.hindawi.com/journals/ijp/2018/5379864/abs/)’’, International Journal of Photoenergy, Volume 2018.



#### LANGUAGES

 **Read Spoken Written**

 **ENGLISH** Very good Good Very Good

 **FRENCH** Excellent Excellent Excellent

####  COMPUTER AND ELECTRONIC TOOLS

Software Matlab, Simulink, Step7, PL7-PRO, Autocad, Eagle, Orcad, Visual C++

Programming Joomla, Word Press, Pascal, C, C++, JAVA, Vb.net, Vb6, MATLAB, Maple, Prolog, VHDL, HTML, SQL & PHP