CURRICULUM VITAE

Informations générales :

Prénom : Chokri
Nom : BEN SALAH

Date de Naissance : 05-03-1979

Adresse : Avenue 18 janvier Akouda 4022- Sousse

Email : chokribs@yahoo.fr

Grade : Professeur

Fonction actuelle : Enseignant

Etablissement : ISSAT de Sousse

Université : Sousse

Dernier diplôme : Habilitation

Spécialité : Genie Electrique
Mobile : 92737555

Etudes et Diplômes :

Institution [date début – date fin]	Diplômes obtenus
ENIS 2016	Habilitation
ENIS 2006-2011	Doctorat
ENIS 2004-2006	Master
ENIS 2002-2005	Ingénieur

Expérience professionnelle

2005-2006: Poste Ingénieur à Jlise Chayeb Menzel Harb Monsir.

Activités de recherches

- ***Domaine de recherche***

  Mes travaux de recherche s'inscrivent dans les domaines des énergies renouvelables, des systèmes électriques, de la modélisation, du contrôle, de la gestion énergétique, du

dimensionnement et de l'optimisation des réseaux intelligents (smart grids) et des micro-réseaux. Je m'intéresse également aux véhicules électriques, aux technologies de stockage d'énergie (filaire et sans fil), aux applications de l'intelligence artificielle, à l'analyse de données, ainsi qu'aux systèmes intelligents appliqués à la ville (smart city), à l'agriculture (smart agriculture) et au dessalement de l'eau.

✧ ***Parcours de recherche***

- **2005–2006 :** Membre de l'unité de recherche *Commande des Machines et Réseaux de Puissance* (CMERP) à l'École Nationale d'Ingénieurs de Sfax (ENIS), où j'ai obtenu un **Master en Conversion Électrique et Énergies Renouvelables** en juillet 2006, sous la direction du Pr. Maher Chaabene.

- **2006–2018 :** Chercheur au sein du laboratoire *Contrôle et Gestion de l'Énergie* (CEMLab) à l'ENIS. Cette période a été marquée par l'obtention :

  - ✓ d'un **Doctorat en Génie Électrique** en février 2011, sous la direction du Pr. Mohamed Ouali
  - ✓ d'une **Habilitation universitaire** en Génie Électrique

- **Depuis 2018 :** Membre du laboratoire *Automatique, Systèmes Électriques et Environnement* (LASEE) à l'École Nationale d'Ingénieurs de Monastir (ENIM), Université de Monastir, où je poursuis mes recherches sur les systèmes énergétiques intelligents et durables.

Activités pédagogiques

Enseignement

- **Professeur depuis October 2024: ISSAT de Sousse**
- **Maître de conférences 2018-2024: ISSAT de Sousse**
- **Maître assistant 2014-2018: ISSAT de Sousse**
- **Maître assistant 2011-2014: Faculté de sciences de Gafsa**
- **Assistant 2010-2011: ISSAT de Gafsa**
- **Assistant contractuel 207-2010: ISSAT de Sousse**

Encadrement

Encadrement de plus que 100 projets d'ingénieur et licence

Administrative responsibilities

- ✓ Member of the Doctoral Commission in Electrical Engineering (CTGE) at the University of Sousse since 2018.
- ✓ Member of the University Accreditation Commission in Electrical Engineering (CHGE) at the University of Sousse since 2018.
- ✓ Member of the commission for the Intelligent Pervasive Systems Research Masters (MR-SPI) at the Higher Institute of Applied Sciences and Technology (ISSAT) in Sousse since 2018.

- ✓ Member of the research master's commission in Microsystems and Embedded Electronic Systems (MR-MSEE) at ISSAT in Sousse since 2014.
- ✓ Member of the commission for the implementation of the rehabilitation file for the Master of Research in Microsystems and Embedded Electronic Systems (MR-MSEE) accepted within the Department of Electronics for the academic years of 2018-2019-2020.
- ✓ Member of the commission for the implementation of the rehabilitation file for the Electronics, Electrotechnics and Automation license (L-EEA) in 2019/2020.
- ✓ Participation in the development and revision of research master's programs in "Intelligent Pervasive System" within the master's committee in the establishment.
- ✓ Participation in the development and revision of research master's programs in "Micro-system and embedded electronic system" within the master's committee in the establishment.
- ✓ Member of the commission for the creation of training for engineers in electronics of embedded systems within the electronic engineering department during 2021/2022.
- ✓ Member of the quality unit commission within ISSAT Sousse during 2021/2022.
- ✓ Member of the ISSAT commission in Sousse responsible for the activities of the ESMES project (Energy Smart Mediterranean Schools Network) funded by the European Union (EU). The purpose of this project is the development of an energy audit in order to install 50kW of photovoltaics on the roof of the ISSAT building in Sousse, replace all the lighting lamps with other economical ones (Led technology), make a balancing stages...
- ✓ Pedagogical coordinator 2019-2020.

Encadrement des mastères

- ❖ **Sarra LEFI (2025)**

Research theme: Development of a Secure Network Management System for Smart Cities Using AI and Blockchain.

- ❖ **Nermine LAHOUAR (2025)**

Research theme: Application of Artificial Intelligence for Sustainable Smart City Management: Challenges, Opportunities, and Innovative Solutions.

- ❖ **Ranim Mtir (2025)**

Research theme: Study and Design of a Photovoltaic System for Seawater Desalination with Integration of Basic Energy Management Using IoT.

- ❖ **Bayrem BEN HSSIN (2025)**

Research theme: Design and Implementation of a Smart Fast Charger for EVs with Control and Optimization Algorithms Integration.

❖ **Nourhene AOUIDI (2025)**

Research theme: Contributions of AI in Minimizing Energy Costs in Smart Grids.

❖ **Aya SAAD (2025)**

Research theme: Contribution to the development of AI-based algorithms for the management and optimization of IoT smart agricultural systems.

❖ **Hadil BITOUTA (2023)**

Research theme: Design and Implementation of a Wireless Charger Based on Helmholtz Coils for EVs with Control and Optimization Algorithms Integration.

❖ **Zayneb RIDENE (2021)**

Research theme: Study, sizing and integration of energy sources to increase the autonomy of electric vehicles.

❖ **Rania HARRABI (2021)**

Research theme: Study and development of an IoT (Internet-of-Things) platform embedded in a smart grid (SG) for energy management and optimization.

❖ **Ms. Sihem Issaoui (2020),**

Research theme: Application of cloud computing for energy management in a smart grid.

❖ **Jihene FARJALLAH (2017),**

Research theme: Study and development of optimization algorithms for a smart grid.

Encadrement des thèses

➢ Encadrement

Thèses soutenues

- **Mr. Gaith Baccouche (2025), ENISo**

Research theme: Structural stability of the voltage of the Tunisian electricity network integrating photovoltaic and wind farms: Study by the theory of bifurcations.

- **Mr. Mohamed haikel Chehab (2024), ENISo**

Research theme: Study and design of an intelligent micro-grid from multiple sources with consideration of sustainable mobility.

- **Mlle. Sihem Amara (2022), ENIM**

Research theme: Contribution to the modeling and optimization of the production and distribution of energy in micro-grid.

Thèses en cours

- **Mr. Mahmoud El Amri (2021), ENISo**

Research theme: Contribution to the techno-economic optimization of seawater desalination and the production of hydrogen H2 by renewable energy sources.

- **Mme. Nour El Imen SAADANI (2023), ENISo**

Research theme: Contribution to the optimization and control of a microgrid

- **Mme. Khawla JERIDI (2024), ENISo**

Research theme: Synthesis of a synchro converter for the injection of photovoltaic energy into the network with operational safety in the presence of faults and disturbances.

- **Mlle. Nourhene Aouidi (2024), ISITCom**

Research theme: AI to improve sustainability, efficiency and security in smart cities: exploring applications in energy management, mobility and urban services

- **Mlle. Aya SAAD (2024), ISITCom**

Research theme: Optimizing precision agriculture systems through AI: predictive modeling for sustainable and secure resource management

➢ Co-Encadrement

Mme. Abla KHIAREDDINE,

Research Theme: Gestion de l'énergie hybride PPV/Eolienne pour un système d'agriculture

Publications

Journal :

1- Haifa SOUILEM and **Chokri BEN SALAH**. Advanced Autonomous Drone Navigation with Real-Time Dynamic Replanning and Multi-Agent Coordination. Studies in Informatics and Control (accepté le 14 mai 2025)

2- Gaith BACCOUCHE; Chehab, M.H.; **Ben Salah, C.**; Tlija, M.; Rabhi, A. Hybrid PVP/Battery/Fuel Cell Wireless Charging Stations Using High-Frequency Optimized Inverter Technology for Electric Vehicles. Energies 2024, 17(14), 3470; https://doi.org/10.3390/en17143470. Impact Factor: 3

3- FB Naceur, S Toumi, **C Ben Salah**, MA Mahjoub, M Tlija. Decision-making solutions based artificial intelligence and hybrid software for optimal sizing and energy management in a smart grid system. Concurrent Engineering 2024 32 (1-4), 3-19

4- Mohamed Haikel Chehab, **Chokri Ben SALAH**, Ruben Zieba Falama, Mehdi Tlijaand Abdelhamid Rabhi. Comparative Analysis of Energy Storage Technologies forMicrogrids. International Transactions on Electrical Energy Systems (2023). https://doi.org/10.1155/2023/6679740.

5- Mohamed Haikel Chehab, Makram khalil and **Chokri Ben SALAH**, Mehdi Tlija and Abdelhamid Rabhi. PV class-E inverter for resonance wireless power transfer for EV charging applications with optimization algorithms. Energy Technology. Accepted 25 May 2023.

6- Ruben Zieba Falama; Virgil Dumbrava; Abdelaziz Salah Saidi; Etienne Tchoffo Houdji; **Chokri Ben Salah** and Serge Yamigno Doka. A comparative analysis based multi-criteria assessment of on/off grid-connected renewable energy systems: a case study. **Energies 2023, 16, 1540. https://doi.org/10.3390/en16031540.**
Impact Factor: 3.252

7- Ruben Zieba Falama, Abdelaziz Salah Saidi, Marcel Hamda Soulouknga, **Chokri Ben Salah**. A techno-economic comparative study of renewable energy systems based different storage devices. **Energy 266 (2023) 126411**.

8- Insaf Yahia, **Chokri Ben Salah**, Abdelaziz Salah Saidi, Ali Alshahrani, Mohamed Faouzi Mimouni and Ali Alshahrani. Contribution to energy management of fuel cell/battery hybrid electric vehicles. *Proceedings of the Institution of Mechanical Engineers, Part E: Journal of Process Mechanical Engineering* ***(2022)****. https://doi.org/10.1177/0954408922112.*

9- Ruben Zieba Falama, Yaouba, Francis-Daniel Menga, Marcel Hamda Soulouknga, Fabrice Kwefeu Mbakop, and **Chokri Ben Salah**. A Case Study of an Optimal Detailed Analysis of a Standalone Photovoltaic/Battery System for Electricity Supply

in Rural and Remote Areas. *International Transactions on Electrical Energy Systems* **(2022)**. *https://doi.org/10.1155/2022/7132589.*

10- Sihem Amara, Sana Toumi, **Chokri Ben Salah** and Abdelaziz Salah Saidi. Optimization Sizing of an Autonomous PV-Battery Microgrid System. *Part I: Journal of Systems and Control Engineering.* ***(2022)*** *https://doi.org/10.1177/09596518221103039.*

11- Ruben Zieba Falama, Maxime Dawoua Kaoutoing, Fabrice Kwefeu Mbakop, Virgil Dumbrava, Saida Makloufi, Noel Djongyang, Chokri Ben Salah and Serge Yamigno Doka. A comparative study based on a techno-environmental-economic analysis of some hybrid grid-connected systems operating under electricity blackouts: A case study in Cameroon. *Energy Conversion and Management 251* ***(2022)*** *114935*.

12- Ferdaws Ben Naceur, **Chokri Ben Salah**, Achraf Jabeur Telmoudi and Mohamed Ali Mahjoubi. Intelligent approach for optimal sizing in photovoltaic panel-battery system and optimizing smart grid energy. *Transactions of the Institute of Measurement and Control* ***(2021)***. *https://doi.org/10.1177/01423312211027027*.

13- Sihem Amara, Sana Toumi, **Chokri Ben Salah** and Abdelaziz Salah Saidi. Improvement of Techno-Economic Optimal Sizing of a Hybrid off-grid Micro-grid System. *Energy 233, 121166* ***(2021)****; https://doi.org/10.1016/j.energy.2021.121166.*

14- Ruben Zieba Falama, Felix Ngangoum Welaji, Abdouramani Dadjé, Virgil Dumbrava, Noël Djongyang, **Chokri Ben Salah** and Serge Yamigno Doka. A Solution to the

Problem of Electrical Load Shedding Using Hybrid PV/Battery/Grid-Connected System: The Case of Households' Energy Supply of the Northern Part of Cameroon. *Energies 14 (10)* ***(2021),****10.3390/en14102836*.

15- Abdelaziz Salah Saidi, **Chokri Ben Salah**, Ayachi Errachdi, Mohammad Fazle Azeem, Javed Khan Bhutto and V.P.Thafasal Ijyas. A novel approach in stand-alone photovoltaic system using MPPT controllers & NNE. Ain Shams Engineering Journal 12 (2), **(2021)**, 1973-1984.

16- Abla KHIAREDDINE, **Chokri BEN SALAH**, Djamila Rekioua and Mohamed Faouzi MIMOUNI. Sizing methodology for hybrid photovoltaic/wind/hydrogen/battery integred to energy management starategy for pumping system. *Energy 5, 053109* ***(2018)****; doi: 10.1063/1.4821213.*

17- I. YAHIA, **Ch. BEN SALAH** and M. Faouzi MIMOUNI, Optimal contribution of Energy Management of Electric Vehicle approach of energy management in electric vehicle. *J. Electrical Systems 12 (4)* ***(2016)****: 660-671*.

18- **Ch. BEN SALAH**, M. F. MIMOUNI and M. OUALI. M. OUALI. A Real-Time Control of Photovoltaic Water-pumping Network. *Computers and Electrical Engineering 46* ***(*****2015*****)****14-28.*

19- **Ch. BEN SALAH**, Kheireddine LAMAMRA and Anis FATNASSI. New optimally technical sizing procedure of domestic photovoltaic panel/battery system. *Journal of renewable and sustainable energy 7, 013134* ***(*****2015*****)****; doi: 10.1063/1.4907923.*

20- A. KHIAREDDINE, **Ch. BEN SALAH** and M. F. MIMOUNI. Power management of a photovoltaic/battery pumping system in agricultural experiment station. *Solar energy 112* ***(*****2015*****)*** *319-338.*

21- A. KHIAREDDINE, **Ch. BEN SALAH** and M. F. MIMOUNI. New methodology of speed-control of photovoltaic pumping system. *Journal of renewable and sustainable energy 5, 053109* ***(*****2013*****)****; doi: 10.1063/1.4821213.*

22- **Ch. BEN SALAH** and M. OUALI. Comparison of Fuzzy logic and Neural Network in Maximum Power Point Tracker for PV systems. *Electric Power Systems Research* 81 **(2011)** 43-50.

23- **Ch. BEN SALAH** and M. OUALI. Energy management of hybrid Photovoltaic systems. *International Journal of Energy Research* **(2010)**, DOI: 10.1002/er.1765.

24- **Ch. BEN SALAH**, M. CHAABANE and M. Ben AMMAR. Multi-Criteria fuzzy algorithm for energy management of a domestic photovoltaic. *Renewable Energy* 33 **(2008)** 993–1001.

Conférence nationale :

2. Mohamed Haikel Chehab, Makram Khelil,**Chokri ben Salah**. «Design and optimization of VHF class Φ2 inverter dedicated for wireless charging application». **IEEE 1stInternational Conference on Artificial Intelligence & Green Energy (ICAIGE 2023)**.12-14October 2023, Sousse, Tunisia.

3. Mohamed Haikel Chehab, Makram Khelil and **Chokri ben Salah**.«Enhancing Efficiency in Wireless Solar Charging Stations through IoT Control and Optimization Strategie». **IEEE 1stInternational Conference on Artificial Intelligence & Green Energy (ICAIGE 2023)**.12-14October 2023, Sousse, Tunisia.

4. Ferdaws Ben Naceur, Sana Toumi, **Chokri Ben Salah** and Mohamed Ali Mahjoubi. «An Artificial Intelligence Solution for Energy Management in Smart Grid». **IEEE 1stInternational Conference on Artificial Intelligence & Green Energy (ICAIGE 2023)**.12-14October 2023, Sousse, Tunisia.

5. Mohamed Haikel Chehab, **Chokri Ben SALAH** and Makram khalil, "*Battery management system for micro_grid application with correction algorithms*", **IEEE 21*ème* international Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA 2022)**. 19-21 Décembre 2022, Sousse, Tunisia.
6. Sihem Amara and **Chokri Ben SALAH**, "*Impact of autonomy days in microgrid sizing*", **IEEE 21*ème* international Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA 2022)**. 19-21 Décembre 2022, Sousse, Tunisia.
7. Gaith Baccouche and **Chokri Ben SALAH**, " *Sizing and economic analysis of a grid-connected photovoltaic system for a residential load of three Tunisian cities*", **IEEE 21*ème* international Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA 2022)**. 19-21 Décembre 2022, Sousse, Tunisia.
8. Mahmoud EL Amri and **Chokri Ben SALAH**, "*Study of a PV/Battery System for Hydrogen production and storage*", **IEEE 21*ème* international Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA 2022)**. 19-21 Décembre 2022, Sousse, Tunisia.
9. Sihem Amara, Sana Toumi and **Chokri Ben SALAH**, "*A comparison of optimal sizing methods for Microgrid applications and description of a proposed iterative algorithm*", **IEEE 21*ème* international Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA 2022)**. 19-21 Décembre 2022, Sousse, Tunisia.

10. Mohamed Haikel Chehab, Makram khalil and **Chokri Ben SALAH**, "*Analysis and implementation of wireless charger for electric vehicle*", **IEEE 21*ème* international Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA 2022)**. 19-21 Décembre 2022, Sousse, Tunisia.
11. Gaith Baccouche, Abdelaziz Salah Saidi, Ruben Zieba Falama and **Chokri Ben SALAH**, "*Analysis of microgrid with wind-turbine and batteries optimized for load shedding in Tunisia*", **IEEE 21*ème* international Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA 2022)**. 19-21 Décembre 2022, Sousse, Tunisia.
12. Mahmoud EL Amri, Ruben Zieba Flama, Abdelaziz Salah Saidi and **Chokri Ben Salah**, Sana Toumi and Chokri Ben SALAH, "*Study of Hydrogen production and storage PV system*", **IEEE 21*ème* international Conference on Sciences and Techniques of Automatic Control and Computer Engineering (STA 2022)**. 19-21 Décembre 2022, Sousse, Tunisia.
13. Oussama Attia, Khelil Makram and **Chokri Ben Salah**. Modeling, simulation and analysis of BEV and FCEV using Matlab/Simulink. *9th IEEE International Conference on Sciences of Electronics, Technologies of Information and Telecommunications (SETIT'22), 28-30 May 2022, Hammamet, Tunisia.*
14. Sihem Amara, Sana Toumi, **Chokri Ben Salah** and Ruben Zieba Falama. A comparative study based on a techno-economic analysis of different Microgrid configurations. 9th IEEE International Conference on Sciences of Electronics, Technologies of *Information and Telecommunications (SETIT'22), 28-30 May 2022, Hammamet, Tunisia.*
15. Sihem Amara, Sana Toumi and **Chokri Ben Salah**. Sizing Study of an off-grid Wind- Battery Microgrid System. *12th IEEE International Renewable Energy Congress (IREC'21), 26-28 October 2021, Sfax, Tunisia.*
16. Gaith Baccouche, Saidi Abdelaziz, **Chokri Ben Salah**, Adnene Haj Hamida and Saida Makhloufi. A Comparative Analysis Study of Tunisian and Algerian Grid Codes Relevant to PV Solar Energy Installations. *18th IEEE International Multi-Conference on Systems, Signals and Devices (SSD'21), 23-26 Mars 2021, Monastir, Tunisia.*
17. Oussama Attia, Haifa Souissi, Khelil Makram and **Chokri Ben Salah**. Functioning of the Half-Cells Photovoltaic Module in hybrid EV under Partial Shading. *18th IEEE International Multi-Conference on Systems, Signals and Devices (SSD'21), 23-26 Mars 2021, Monastir, Tunisia.*

18. Sihem Amara, Sana Toumi and **Chokri Ben Salah**. Modeling and Simulation of Hybrid Renewable Microgrid System. *17th IEEE International Multi-Conference on Systems, Signals and Devices (SSD'20), 20-23 Mars 2020, Sfax, Tunisia.*
19. I. YAHIA, **Ch. BEN SALAH** and M. OUALI, New approach of energy management in electric vehicle. *IEEE- 7th International Conference on Modelling, Identification and Control (ICMIC-2015)*, Sousse - Tunisia, December18-20, 2015.
20. A. Khiareddine, **Ch. BEN SALAH** and M. faouzi MIMOUNI, Strategy of energy control in PVP/battery water pumping system. *IEEE-2014 International Conference on Green Energy (ICGE'14)*, page(s) 49 - 54, Sfax, Tunisia.
21. I. YAHIA, **Ch. BEN SALAH** and M. OUALI, Fuzzy logic controller for reference speed in electric vehicle. *IEEE-2014 International Conference on Green Energy (ICGE'14)*, page(s) 259 - 261, Sfax, Tunisia.
22. **Ch. BEN SALAH**, A. ERRACHDI and M. OUALI, Control of energy in PVP/diesel system. *10th IEEE International Multi-Conference on Systems, Signals and Devices (SSD'13)*, 18-21 Mars 2013, Hammamet, Tunisia.
23. **Ch. BEN SALAH**, A. FATNASSI and M. OUALI, Fuzzy logic sizing algorithm of domestic PVP/Battery system. *10th IEEE International Multi-Conference on Systems, Signals and Devices (SSD'13)*, 18-21 Mars 2013, Hammamet, Tunisia.
24. **Ch. BEN SALAH**, I. YAHIA and M. OUALI, Fuzzy logic controller for the power management in electric vehicle. *10th IEEE International Multi-Conference on Systems, Signals and Devices (SSD'13)*, 18-21 Mars 2013, Hammamet, Tunisia.
25. A. Khiareddine, **Ch. BEN SALAH** and M. faouzi MIMOUNI, Determination of the target speed corresponding to the optimum functioning of a photovoltaic system pumping and regulation of the water level. *IEEE-2013 International Conference on Electrical Engineering and Software Applications (ICEESA 2013)*, 21-23 Mars 2013, Hammamet, Tunisia.
26. A. Khiareddine, **Ch. BEN SALAH** and M. faouzi MIMOUNI, Control water level of a photovoltaic pumping system. *IEEE-2013 International Conference on Control, Decision and Information Technologies (CoDIT'13)*, 06-08 Mai 2013, Hammamet, Tunisia.
27. **Ch. BEN SALAH**, Energy management of PVP/Diesel/Battery system. *International Conference on Control, Engineering and Information Technology (CEIT'13)*, 04-07

    Juin 2013, Sousse, Tunisia.

28. R. Rejeb and **Ch. Ben Salah**, "Design and prototyping of an electric city car in Tunisia", *in Proc. Humboldt Kolleg'12, Nanoscale Science and Technology; Tunisia*; 17-19 Mar. 2012, p. 55.
29. **Ch. BEN SALAH** and M. OUALI, Wavelet Autoregressive Forecasting of Climatic Parameters for Photovoltaic Systems. *8th IEEE international multi-conference on systems signals and devices (SSD'11),* 22-25 March 2011, Sousse, Tunisie.
30. **Ch. BEN SALAH** and M. OUALI, Energy management of PVP/Battery/Load system. *7ème Congrès International sur les Energies Renouvelables et l'Environnement (CERE 2010),* 04-06 Novembre 2010, Sousse, Tunisie.
31. **Ch. BEN SALAH** and M. OUALI, Implémentation d'une commande optimale pour un système autonome. *Les 2ème journées de l'école doctorale sciences et technologies,* 27-29 Décembre 2010, Monastir, Tunisie. Prix de Bronze.
32. **Ch. BEN SALAH** and M. OUALI, Predicting state of charge of lead-acid batteries by linear matrix inequality (LMI) observer. *10th International conference on Sciences and Techniques of Automatic control & computer engineering (STA'09)*, 20-22 December 2009, Hammamet, Tunisia.
33. **Ch. BEN SALAH** and M. OUALI, Fuzzy logic maximum power point tracker (MPPT) for PV systems. *10th International conference on Sciences and Techniques of Automatic control & computer engineering (STA'09)*, 20-22 December 2009, Hammamet, Tunisia.
34. **Ch. BEN SALAH**, M. CHAABENE, M. BEN AMMAR and Jérôme BOCHE, A Model Based Smart Maximum Power Point Tracker (MPPT) for PV Systems. *Third International Conference on Ecological Vehicles & Renewable Energies (EVER'08),* 27-30 Mars 2008, Monaco.
35. M. CHAABENE, M. BEN AMMAR and **Ch. BEN SALAH**. Fuzzy based energy management of a domestic photovoltaic panel. *IEEE International Multi-Conference on Systems, Signals and Devices (SSD'07)*, 19-22 Mars 2007, Hammamet, Tunisia.
36. Mohsen Ben Ammar, Maher Chaabene, **Ch. BEN SALAH**, Dynamic predictor of climatic parameters. *8th International conference on Sciences and Techniques of Automatic control & computer engineering (STA'07)*, 5-7 Novembre 2009, Monastir, Tunisie.
37. **Ch. BEN SALAH**, M. CHAABANE et M. Ben AMMAR. Gestion de l'alimentation d'une installation à partir d'un panneau photovoltaïque ou du réseau. *International Congress on the Engineering of Renewable Energy (CERE'2006)*, 6-8 Novembre 2006, Hammamet, Tunisia.

Chapitre

[1] Kheireddine LAMAMRA, Djilali KHANE and Ch. BEN SALAH. Modeling of a Solar Cooling Machine by Absorption Using RBF Neural Networks. Advanced Control Engineering Methods in Electrical Engineering Systems *(2018), DOI: 10.1007/978-3-319-97816-1_27.*

[2] Kheireddine Lamamra, Sundarapandian Vaidyanathan, Ahmad Taher Azar and Chokri Ben Salah. Chaotic System Modelling Using a Neural Network with Optimized Structure. Fractional Order Control and Synchronization of Chaotic Systems *(2017), DOI: 10.1007/978- 3-319-50249-6_29.*