

Curriculum Vitae

PhD physics

First name Seifennasr

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Date and birth place 01/02/1987 in Bengarden

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EDUCATION

2016: Ph.D. Physics from Faculty of Science of Tunis, Tunis El Manar University.

2012: Master of Research in physic: Energy and transfer, *National Institute of Applied Sciences* of Tunis, Tunis Carthage University.

2010: Professorship in Science and Technical in Applied Physics at Higher School of Sciences and Techniques of Tunis, Tunis University.

2006: Bachelor level in experimental sciences.

PUBLICATIONS

- ✓ S. Sabek, F. Tiss, R. Chouikh, and A. Guizani “Numerical investigation of heat and mass transfer in partially blocked membrane based heat exchanger: effects of obstacles forms” *Applied Thermal Engineering* 130; 2011-220, 2018.
- ✓ S. Sabek, K. Ben Nasr, F. Tiss, R. Chouikh, and A. Guizani “Performance investigation of desiccant liquid air membrane energy exchanger: Air and lithium chloride” *International Journal of Refrigeration*, vol. 80, 145-157, 2017.
- ✓ Book: S. Sabek “La récupération d’énergie total: les échangeurs à base membranaire” *Presses Académiques Francophone* ISBN 978-3-8381-4603-4, 2017

- ✓ S. Sabek, F. Tiss, R. Chouikh, and A. Guizani “Experimental investigation and numerical validation of total heat exchanger and membrane phenomena” *Energy and Buildings*, vol.133, 131-140, 2016.
- ✓ S. Sabek, F. Tiss, R. Chouikh, and A. Guizani “Numerical investigation of membrane based heat exchanger with partially blocked channels” *Applied Thermal Engineering*, vol.104, 203-211, 2016.
- ✓ S. Sabek, K. Ben Nasr, R. Chouikh, and A. Guizani “Analytical Study of a Heat Recovery/Desiccant Cooling System under Tunisian Climatic Conditions” *Journal of Clean Energy Technologies*, Vol. 3, No. 3, May 2015.
- ✓ S. Sabek, K. Ben Nasr, R. Chouikh, and A. Guizani “Performance study of a heat recovery desiccant cooling system” *Journal of Physics: Conference Series* 596 (2015) 012-016.
- ✓ Proceeding in IEEE Xplore after participating to the 7th International Renewable Energy Congress IREC 2016 held from April 22th till April 24th, 2016, in Hammamet, Tunisia: (DOI: 978-1-4673-9768-1/16/\$31.00 ©2016 IEEE): “Heat and mass transfer in partially blocked membrane based heat exchanger”.

PARTICIPATION IN INTERNATIONAL CONFERENCES

- ✓ Participation on the Kaiserslautern Research Matching (KAREMA), Kaiserslautern Germany, 2017.
- ✓ Oral participation on the International Congress of Renewable Energy (CIER), Hammamet Tunisia, 2017.
- ✓ Oral participation on the Renewable Energy Congress (IREC), Hammamet Tunisia, 2016.
- ✓ Oral participation on the International Conference on Energy and Environment Research (ICEER), Madrid Spain, 2014.
- ✓ Oral participation on the Tunisia-Japan Symposium: R&D of Energy and Material Sciences (TJS), Gammaret Tunisia, 2014.

TEACHING ACTIVITIES (1 years)

During the academic year 2013-2014: assistant in physics at Higher Institute of Sciences and Technologies of environment in Borj Cedria, Tunis Carthage University.

INDUSTRIAL TRAINING

2017-Now: Postdoctoral in *Thermal Processes Laboratory*, Research and Technologies Center of Energy, Borj Cedria Tunisia.

2013-2016: Ph.D. researcher in *Thermal Processes Laboratory*, Research and Technologies Center of Energy, Borj Cedria Tunisia.

2010-2012: Master Degree in *Thermal Processes Laboratory*, Research and Technologies Center of Energy, Borj Cedria Tunisia. "Dimensionless numerical investigation of natural convection inside square cavity filled with Sodium metal liquid".

June 2010: Training course in support program for teaching quality at Higher School of Sciences and Techniques of Tunis, Tunis University.

May 2010: Educational internship at the Physic Research Unity at Preparatory Institute of Scientific and Technical Studies in Marsa, Tunis Carthage University.

July 2008: Industrial internship at the Tunisia Telecommunications, Bengarden.

COMPUTER SKILLS

Operating system Windows and UNIX, and Microsoft Office (Word, Excel, PowerPoint, etc).

FORTRAN and MATLAB programming, ANSYS Fluent, and TRNSYS.

LANGAUGES

Arabic writing, reading, and speaking

English writing, reading, and speaking

French writing, reading, and speaking

Spanish writing, reading, and speaking (little)

REFERENCES

✓ Amenallah Guizani: Amenallah.guizani@crtten.rnrt.tn

✓ Afif Elcafsi: afif.elcafsi@fst.rnu.tn

✓ Ridha Chouikh: Ridha.chouikh@yahoo.fr