



**First name: BOUALI**  
**Last name : Lazhar**  
Teacher

## PROFIL



Bouali.lazhar@univ-khenchela.dz



06 56 17 38 39

## LANGUES

French

English

Arab



## FORMATION

2011 - 2012

Ville, Pays: El-harrache Algiers Algeria

**DIPLÔME:** Magister of Science in Electrical Engineering  
with a focus on Electrical Machines

National Polytechnic School

2023 - 2024

Ville, Pays: El-harrache Algiers Algeria

**DIPLÔME: Doctorate in Science**  
**- Electrical Engineering, specializing in Electrotechnics**

National Polytechnic School

**Responsibilities:** Current Position

Head of the Electrical Engineering Department (2024/2025)

### Articles

#### International Publications

[1] L Bouali, M Djennah, R Tahmi. "Numerical modeling of electromagnetic interaction between a radio frequency source and the human body." Conference Paper. Date Added to IEEE Xplore: February 25, 2016. Publisher: IEEE Publication Year: 2015, Pages: 1 – 6.

(<https://ieeexplore.ieee.org/document/7416711>)

[2] L Bouali, M Djennah. "Numerical Study of Electromagnetic Interaction between a Radio Frequency Source and the Human Head." International Journal of Science and Research (IJSR), Volume 5, Issue 1, January 2016, pp. 145-150. . (<https://www.ijsr.net/archive/v5i1/NOV152551.pdf>)

[3] L Bouali, M Djennah, R Tahmi, M Zahraoui. "Numerical Modeling of the Interface between RF Source and the Human Body." Physical Science International Journal, Published: April 26, 2016, Volume 10, Issue 3, Pages: 1-12 (<https://journalpsij.com/index.php/PSIJ/article/view/456>)

[4] L Bouali, M Djennah, R Tahmi. "Numerical method to calculate electromagnetic energy in the human head exposed to an RF source." Academic Research International, Vol. 11, Issue 4, pages 23-35, December 2020. ([http://www.savap.org.pk/journals/ARInt./Vol.11\(4\)/ARInt.2020\(11.4-04\).pdf](http://www.savap.org.pk/journals/ARInt./Vol.11(4)/ARInt.2020(11.4-04).pdf))

[5] L Bouali, M Djennah, R Tahmi. "Numerical study of the behavior of the electromagnetic field and its relation to the energy absorbed by a human head exposed to a radiofrequency (RF) source application: the

cellular." Conference Paper. Date Added to IEEE Xplore: June 28, 2022. Publisher: IEEE. Publication Year: 2022, Pages: 1 – 6. (<https://ieeexplore.ieee.org/document/9805944>)

[6] L Bouali, M Djennah, R Tahmi. "Electromagnetic Radiation Effects of Radio Frequency Source on the Human Body." Technological Innovation in Engineering Research. Vol. 4, June 21, 2022, Pages 150-160. (<https://stm.bookpi.org/TIER-V4/article/view/7317>)

[7] Bouali Lazhar. Kassem Aniss Bouali "Revealing the Imperceptible Network: Numerical Studies on the Impact of Electromagnetism on the Human Brain"

Date Added to IEEE Xplore: August 23, 2024, Publication Year: 2024, Pages: 1 – 7.

(<https://ieeexplore.ieee.org/document/10638880>)

### **International Communications**

#### **Communication N° 1**

The 4th International Conference on Electrical Engineering ICCEE 2015

December 13th-15th, 2015 Boumerdes, Algeria

Presented by: Bouali Lazhar; Djennah Mohammed; Tahmi Redouane

Title: "Numerical modeling of electromagnetic interaction between a radio frequency source and the human body."

#### **Communication N° 2**

Istanbul 19th International Conference on "Engineering & Technology, Computer, Basic & Applied Sciences" (ECBA- 2016)

May 9-10, 2016 Istanbul, Turkey

Presented by: Bouali Lazhar; Djennah Mohammed; Tahmi Redouane

Title: "Numerical method for selecting a protector of the human head against the electromagnetic field of radio frequency sources."

#### **Best Paper**

Bouali Lazhar from the Laboratory of Electrotechnics, ENP, Algeria, was declared as the Best Paper in Engineering and Technology, Computer, Basic, and Applied Sciences at the Istanbul 19th International Conference on "Engineering & Technology, Computer, Basic & Applied Sciences" (ECBA- 2016), held on May 9-10, 2016 in Istanbul, Turkey.

#### **Communication N° 3**

International Conference on Electromagnetic Pollution: Reality, Challenges, and Proposed Solutions.

October 25-26, 2016 EST Essaouira, Morocco.COP22 ESTE/CIPE'16.

Presented by: Bouali Lazhar, Djennah Mohammed, Tahmi Redouane, Zahraoui Mahrez

Affiliation: Laboratory of Electrotechnics - ENP – Algiers, Algeria

Title: "Numerical selecting of a protector of the human head against the electromagnetic field of radio frequency source (mobile phone)."

#### **Communication No. 4**

ELECO 2017. 10th International Conference on Electrical and Electronics Engineering (ELECO- 2017)

November 30 - December 2, 2017 in Bursa, Turkey.

Presented by: Bouali Lazhar, Djennah Mohammed, Tahmi Redouane

Title: "Numerical study of interaction between human head and electromagnetic field of radio frequency sources (mobile phone) and selecting protector."

#### **Communication N°5**

ELECO 2017. 10th International Conference on Electrical and Electronics Engineering (ELECO- 2017)

November 30 - December 2, 2017 in Bursa, Turkey.

Presented by: Bouali Lazhar, Djennah Mohammed, Tahmi Redouane

Title: "The interface between RF source and the human body by numerical modeling."

**Communication N° 6**

2022 6th International Conference on Advanced Technologies for Signal and Image Processing (ATSIP)

Date of Conference: May 24-27, 2022 Conference Location: Sfax, Tunisia.

Presented by: Bouali Lazhar, Djennah Mohammed, Tahmi Redouane

Title: "Numerical study of the behavior of the electromagnetic field and its relation to the energy absorbed by a human head exposed to a radiofrequency (RF) source application: the cellular."

**Communication No. 7**

INTERNATIONAL CONFERENCE on ADVANCED TECHNOLOGIES, SIGNAL & IMAGE  
PROCESSING ATSIP 2024

July 11-14, 2024, Sousse, Tunisia

Bouali Lazhar. Kassem Aniss Bouali "Revealing the Imperceptible Network: Numerical Studies on the Impact of Electromagnetism on the Human Brain"