


<h1>Curriculum vitae</h1> <hr/> <p>Dr. RIANE HOUARIA</p> <hr/> <p>Physic Department Faculty of Excat Sciences Mascara University</p>	
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Personnel details :

- ALGERIAN
- Born May 12, 1974 in Oran, Algeria
- Married
- Tree Children's.
- Personnel address: 128, Coopératif elwihda Oran (Algeria).
- Professional address: *Physic Department, Faculty of Exacts Science, Mustapha Stambouli University, BP305, Route de Mamounia, Mascara 29000, Algeria.*
- 1. Laboratoire de Physique des plasmas Matériaux Conducteurs et leurs Applications. BP. 1505, EL MNAOUAR Oran, 31000 (Algeria).
- N° Tel: + 213 552 305 42/ + 213 655 649 587.
- E-mail: riane_h@yahoo.fr/houaria.riane@univ-mascara.dz

Education

- 1992 : Bachelor of Mathematical sciences.
- 1997 : D.E.S of Physics , Es-senia University (Oran).
- 2000 : Magister of Physics, Option : Optoelectronic, Es-senia University (Oran).
- 2008 : Doctorat of sciences, Option : Matter sciences, USTO-MB University (Oran).
- Mars 2017: university habilitation in physics.

Scientifics researches

1. Fractal Behavior of the Pancreatic β -Cell Near the Percolation Threshold: Effect of the KATP Channel On the Electrical Response, S. Bahlouli, A. Mokaddem, F. Hamdache and H. Riane, IEEE/ACM Transactions on Computational Biology and Bioinformatics, 13, 112-121 (2015).
2. ZnO/ZnMgO: cubic quantum well laser in UV spectrum, H. Riane, A. Mokaddem, L. Temimi, B. Doumi, S. Bahlouli & F. Hamdache, The international Journal of advanced Manufacturing Technology, March 2017, Volume 89, Issue 1–4, pp 629–633.
3. Influence of the doping on the linewidth enhancement factor in III-V Based Quantum Well Laser. Riane. H, Hamdache. F, Bahlouli. S, colloque international TELECOM'2017 & 10^{ème} JFMMA, 10, 11 & 12 Mai 2017-EMI-Rabat. Maroc.
4. Effect of the NCX exchanger in the cardiac cells, 11th International Conference on Engineering, Science and Technology ICETS' 2017, 13-14 mars, dubai. Modeling, in

medicine and in industry, a best way to a better economy.: Bahlouli, Riane, Hamdache.

5. Membrane ion transport and percolation. 18th IIE International Conference on Latest Trends in Engineering and Technology (ICLTET-2018 / 21-23 March, Istanbul Bahlouli, Riane, Hamdache.
6. OPTICAL GAIN IN ANTIMONIDE QUANTUM WELL, Riane Houaria, Bahlouli Samia and Hamdache Fatima, International Conference on Applied Analysis and Mathematical Modeling, ICAAMM17, June 20-27, 2018, Istanbul-Turkey
7. DOPING EFFECT ON THE α PARAMETER IN II-VI BASED QUANTUM WELL LASER, Riane Houaria, Bahlouli Samia and Hamdache Fatima, International Conference on Materials Science 2018 (ICMS2018), ICMS2018UFAS1/ SETIF12–14 September 2018
8. QUANTUM WELL LASER BASED ON THE INALGAAS AND INGAASP MATERIALS: A COMPARISON STUDY, Riane Houaria, Bahlouli Samia and Hamdache Fatima, International Conference on Research in Education and Science (ICRES), April 28 - May 01, 2019 in Cesme-Izmir, Turkey.
9. STUDY OF THE THERMOELECTRIC PROPERTIES OF HALF-HEUSLER MCoSb (M = Ti, Sc OR Zr), Riane Houaria & Yekhou Houcem Eddine, International Conference on Research in Education and Science (ICRES), April 28 - May 01, 2019 in Cesme-Izmir, Turkey.
10. THEORETICAL INVESTIGATION OF ELECTRONIC AND THERMOELECTRIC PROPERTIES OF SPINEL SULFIDES A_2BS_4 (A=Sc and Y; B= Cd and Zn), H. Yakhou, A. Maachou, H. Riane, M. Sahnoun, Computational Condensed Matter, 21 (2019) e00417.

Professional experience

- 2002-2005: Assistant professor –B- at Mascara university (Matter: Physics).
- 2005-2008: Assistant professor –A- at Mascara university (Matter: Physics).
- Since 2008: Doctor in physics (MCB: Mascara university).
- Since 2016: chief of Physics department.
- Since 2017 : MCA.