

## Dr. Mohammed Deia Noori

### CONTACT ADDRESS

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**University:** Department of Physics  
College of Science  
University of ThiQar  
Nasiriyah

### EDUCATION:

**2017** PhD. Department of physics –Science College – Lancaster University\ UK  
**2007** MSc. Department of physics –Science College – Basrah University\ Iraq  
**1997** BSc. Department of physics –Science College – Basrah University\ Iraq

### MEMBERSHIP:

**1999** Iraqi Association of Physics and Mathematics, Bagdad-Iraq  
**2004** Iraqi Polymers Association, Basrah-Iraq

### MOST IMPORTAT PULICATIONS:

**2016** Garcia, Diego, Rodri ´guez-Pe´rez, M. A. Herranz, D. Pen˜a, E. Guitia´n, S. Bailey, Q. Al-Galiby, **M. Noori**, C. J. Lambert, D. Pe´rez and N. Marti´n. "AC 60-aryne building block: synthesis of a hybrid all-carbon nanostructure." *Chemical Communications* 52.40 (2016): 6677-6680.

**2016** **Noori, Mohammed**, et al. "Tuning the electrical conductance of metalloporphyrin supramolecular wires." *Scientific Reports* 6 (2016).

**2017** **Noori, Mohammed**, Hatf Sadeghi, and Colin J. Lambert. "High-performance thermoelectricity in edge-over-edge zinc-porphyrin molecular wires." *Nanoscale* 9.16 (2017): 5299-5304.

**2017** **Noori, Mohammed**, Hatf Sadeghi, Q. Al-Galiby, , S. Bailey, and Colin J. Lambert High cross-plane thermoelectric performance of metallo-porphyrin molecular junctions, submittes to PCCP.

**2018** E. Leary, C. Roche, H.-W. Jiang, G. Rubio-Bollinger, **M. Noori**, M. A. Lebedeva, A. Hodgson, S. J. Higgins, C. J. Lambert, H. L. Anderson and R. J. Nichols, Journal of the American Chemical Society 2018, 140, 710-718.

**2018** E. Leary, C. Roche, H.-W. Jiang, I. Grace, M. T. González, G. Rubio-Bollinger, C. Romero-Muñiz, Y. Xiong, Q. Al-Galiby, **M. Noori**, M. A. Lebedeva, K. Porfyrakis, N. Agrait, A. Hodgson, S. J. Higgins, C. J. Lambert, H. L. Anderson and R. J. Nichols, Journal of the American Chemical Society 2018, 140, 710-718

**2018** **Noori, Mohammed**, Hatf Sadeghi, and Colin J. Lambert. "Stable-radicals increase the conductance and Seebeck coefficient of graphene nanoconstrictions." *Nanoscale* 10.40 (2018): 19220-19223.

**2018** **Noori, D. Mohammed**, and Alaa A. Al-Jobory. "Tuning the Thermoelectric Properties of Ferrocene Molecular Junctions." IOP Conference Series: Materials Science and Engineering. Vol. 454. No. 1. IOP Publishing, 2018.

**2019** Al-Jobory, Alaa A., Zainelabideen Y. Mijbil, and Mohammed Noori. "Tuning electrical conductance of molecular junctions via multipath Ru-based metal complex wire." *Indian Journal of Physics* (2019): 1-6.

**2019** Mohammed D. Noori " Enhance thermoelectric performance of zinc-porphyrin molecules" AUS Journal, Año: 2019, Edición especial no: 26-2.

## CONFERENCES, MEETINGS AND WORKSHOPS ATTENDED:

1. DL poly workshop in Weingarten UK (November-2013)
2. *MOLESCO-SYMONA* Workshop, Basil University, Engelberg, Switzerland (February-2015).
3. Molecular electronics workshop in York University, York, UK (March-2015)
4. Thermoelectric Network, workshop and training event in, Loughborough University, UK (April-2015)
5. EPSRC Thermoelectric Network Meeting in Reading, UK (November-2015)
6. EPSRC Thermoelectric Network Meeting in Glasgow, UK (October-2016)
7. *QuEEN* international workshop in Oxford, Oxford University, UK (December-2016).
8. EPSRC Thermoelectric Network Meeting in Manchester, UK (February-2017).
9. Workshop and Complementary Skills Training Course, IBM– Zürich, Rüschlikon, Switzerland (April-2016)
10. *MOLESCO* meeting in Lancaster, Lancaster University, UK (May-2017).
11. *MOLESCO* meeting in Muggendorf, Germany (September-2017).
12. The 6<sup>th</sup> International scientific conference for nanotechnology and advanced materials and their applications- *ICNAMA2018*, University of Technology, Baghdad, Iraq (May-2018).
13. The 1<sup>st</sup> International conference on materials engineering and science *IConMEAS*, Istanbul Aydin University, Istanbul, Turkey (August 2018).
14. The 3<sup>rd</sup> International Conference on Computing, Communications, and Information Technology (CCIT 2019), Anbar, Iraq (April-2019)

## ACADEMIC/TEACHING EXPERIENCE

University Lecturer, Thi-Qar University, Iraq

Taught theoretical and experimental subjects to undergraduate and postgraduate students in Physics department University of Thi-Qar.

Theoretical subjects:

Computer & programming 3<sup>rd</sup> stage (2008-2012) Dept. of physics – College of Science.

Theoretical Physics 4<sup>th</sup> stage and (2010-2013) Dept. of physics – College of Science.

Sound and Wave Physics 2<sup>nd</sup> stage (2012-2013) Dept. of physics – College of Science.

Atomic Physics 3<sup>rd</sup> stage (2017-2018) Dept. of physics – College of education.

Medical Physics 4<sup>th</sup> stage and (2017-2018) Dept. of physics – College of Science.

Medical Physics 3<sup>rd</sup> stage and (2018-2019) Dept. of physics – College of Science.

Medical Physics 1<sup>st</sup> stage (2017-2019) Dept. of pathological analysis – College of Science.

English language for MSc. students (2017-2019) Dept. of physics – College of Science.

Experimental

Laboratories: Laser (year-3) (2008-2011)

Solid state physics (year-4) (2011-2012)