



Bilal S. M. Al-Gnamat



CURRICULUM VITAE

BILAL SALEH MOHAMMAD ALGNAMAT

PERSONAL

<i>Place of Birth</i>	Jordan, Maan, Al-Jahir
<i>Date of Birth</i>	April, 12. 1981
<i>Marital Status</i>	Married
<i>Nationality</i>	Jordanian
<i>Work Address</i>	Department of Physics, College of Science, Al-Hussein Bin Talal University, Ma'an, Jordan. Phone: +962-3-2179000 Ext.:6203, E-mail: b.algnamat@gmail.com
<i>Academic Rank (date)</i>	Assistant Professor (2020)
<i>Permanent Address</i>	71111 Ma'an, Jordan. , E-mail: b.algnamat@gmail.com



ACADEMIC QUALIFICATIONS

2015 - 2019	Ph.D. , Optical physics, University of Santiago de Compostela , SPAIN.
2007 - 2010	M.Sc. , Physics, Mu'tah university, JORDAN
2000 - 2003	B.Sc. , Physics, Mu'tah university, JORDAN

SPECIALTY

<i>General Specialization:</i>	physics
<i>Specialization:</i>	Optics



CAREER HISTORY

2020-still	Assistant Professor Al-Hussein Bin Talal University, <i>Ma'an, Jordan</i>
2012-2014	Full time Lecturer Almajmaah university ,KSA
2005-2012	Laboratory Physics Supervisor Al-Hussein Bin Talal University, <i>Ma'an, Jordan</i>

HONORS, SCHOLARSHIPS, AWARDS AND GRANTS

Al-Hussein bin Talal University Grant, Deanship of Scientific Research (**DSR**)

RESEARCH INTEREST

- Optics
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PUBLICATIONS

- **B. S. AlGnamat**, Y. Arosa, E. López Lago, R. de la Fuente. A first inspection of the dispersive properties of Imidazolium-based ionic liquids in the Vis-NIR .
 - E. López Lago, Julio A. Seijas, I. de Pedro, J. Rodríguez Fernández, M. P. Vázquez-Tato, J. A. Gonzalez, E. Rilo, L.M. Segade, O. Cabeza, C. D. Rodríguez Fernández, Y. Arosa, **B. AlGnamat**, L. M. Varela, J. Troncoso, R. de la Fuente. Structural and physical properties of a new reversible and continuous thermochromic ionic liquid in a wide temperature interval:[BMIM]₄ [Ni(NCS)₆], New Journal of Chemistry 42 (2018) 15561-15571.
 - Y. Arosa, **B. S. AlGnamat**, C. D. Rodríguez Fernández, E. López Lago, L. M. Varela, R. de la Fuente, Modeling the Temperature Dependent Material Dispersion of Imidazolium Based Ionic Liquids in the Vis-NIR. The Journal of Physical Chemistry C 122 (2018) 29470-29478.
 - C Damián Rodríguez Fernández, Y Arosa, **B Algnamat**, E López Lago, An Experimental and Computational Study on Material Dispersion of 1-Alkyl-3-Methylimidazolium Tetrafluoroborate Ionic Liquids, Physical Chemistry Chemical Physics 22 (25), 14061-14076.
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Proceedings

- Y. Arosa, C. D. Rodríguez Fernández, **B. S. Algnamat**, E. López-Lago, R. de la Fuente. White light spectral interferometer for measuring dispersion in the visible-near infrared. Proceedings SPIE 104453,104532 (2018).

Books and book chapters

- N.A

Patents

- N.A.
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CONFERENCES AND PROCEEDINGS

- E. López Lago, J. A. Nóvoa, B. AlGnamat, R. de la Fuente, J.A. Seijas, M.P. Vázquez-Tato, J. Troncoso y H. Michinel, Multiphoton absorption in ionic liquids at 810nm, XI Reunión Nacional de Óptica, Salamanca, España, 1-4 septiembre 2015.
 - B. AlGnamat, R. de la Fuente, E. López Lago, Refractive index behaviour in different families of ionic liquids XI Reunión Nacional de Óptica, Salamanca, España, 1-4 septiembre 2015.
 - E. López-Lago, R. de la Fuente, J. A. Seijas, M.P. Vázquez-Tato, J. Troncoso, Y.Arosa, B. AlGnamat, J.M. Otero Mato, L.M. Varela, O. Cabeza, *Thermochromic behavior in $BMIM_4Ni(SCN)_6$* , 26 EUCHEM Conference on Molten Salts and Ionic liquids, Viena, Austria, 3-8 julio 2016.
 - Y. Arosa, C. D. Rodríguez Fernández, B. S. Algnamat, E. López-Lago, R. de la Fuente, *White light spectral interferometer for measuring dispersion in the visible-near infrared*, 3rd International Conference on Applications of Optics and Photonics, Faro, Portugal, 8-12 mayo 2017.
 - D. Rodríguez, Y. Arosa, B. S. Algnamat, E. López-Lago, R. de la Fuente, *White light spectral interferometry for measuring dispersion of the thermo-optic coefficient of liquids*, 36 Reunión Bienal de la Real Sociedad Española de Física, Santiago de Compostela, España, 17-21 de julio de 2017.
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- C. D. R. Fernández, Y. Arosa, B. S. Algnamat, E.-L. Lago, L. M. Varela, and R. de la Fuente, "*Predicting refractive index dispersion of ionic liquids*," in *Frontiers in Optics*, 2019, p. JTU4A. 33: Optical Society of America.

Workshops

- BILAL ALGNAMAT: Measurement of the Refractive Index Using Common-path Interferometers. IV ENCONTRO DE MOCIDADE INVESTIGADORA, USC 2016. Oral presentation.
- BILAL ALGNAMAT: Refractive Index of liquids measured by common-path interferometers at 632.8nm. II Workshop do Programa de Doutorado Interuniversitario en Láser, Fotónica e Visión. 2016. Oral presentation.
- BILAL ALGNAMAT: Determined the refractive index and thermo-optic coefficients(TOC) of 1-Ethyl - 3-methylimidazolium based ionic liquid with tetrafluoroborate anions over 400-1000nm. III Workshop do Programa de Doutorado Interuniversitario en Láser, Fotónica e Visión. 2017. Oral presentation.
- BILAL ALGNAMAT: Temperature dependent material dispersion of Imidazolium based ionic liquids in the Vis-NIR. IV Workshop do Programa de Doutorado Interuniversitario en Láser, Fotónica e Visión. 2018. Oral presentation.

TEACHING

Courses Taught-undergraduate

- Most of physics courses



Bilal S. M. Al-Gnamat



SKILLS

Languages

- Arabic (native)
- English (excellent)
- Spanish (good)

Computer Programs

- Having a very good experiences using computers, Matlab programs, physics programs, and other software.