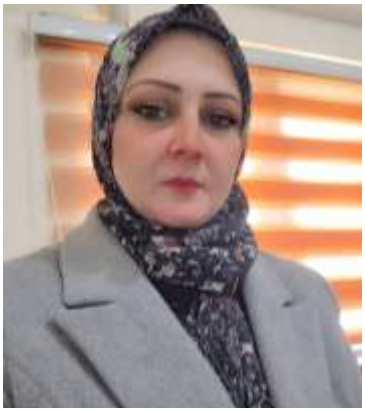
Curriculum Vitae



Rasha A. Hussein

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Birthplace: [Baghdad] – Iraq

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Academic Education

- **2012 – 2016** PhD. Engineering Applications of Laser/ Optical Comuunications, Cairo University , [Egypt].
- **2005 – 2008** MSC. – Laser and optoelectronics, Al-Nahrain University
- **2003 – 2005** BSCLaser and optoelectronics, Al-Nahrain University.

Work Experience

- 2008- 2018 College of Science/ Al-Muthanna University
- 2018-2020 College of Enginneering/ Al-Muthanna University
- 2020-present College of Science/ Al-Muthanna University

Skills and Achievements

- **Microsoft Office, Matlab, Comsol Multiphysics, Visual Basic**
- **Comsol Multiphysics License**

Conferences

- 2022 Iraqi International Conference on Communication and Information Technologies (IICCIT)/ https://ieeexplore.ieee.org/abstract/document/10010352
- Semiconductor and Integrated Optoelectronics, SIOE 2014, Cardiff, April 29th-1st May 2014/

Publications

- Saja Imad, Firas F. K. Hussain Mansoor, Riyadh, Rasha A. Hussein, "Modelling of asymmetric channel plasmonic polariton waveguides", Journal of Engineering and Applied Science, vol. 70. 2023. https://link.springer.com/article/10.1186/s44147-023-00318-1
- Hanadi Y. Yousif, Rasha A. Hussein, "Ultra-wideband Supercontinuum Generation through Liquid Core Photonic Crystal Fiber", 2022 Iraqi International Conference on Communication and Information Technologies (IICCIT)https://ieeexplore.ieee.org/abstract/document/10010352
- Firas Faeq K Hussain, Riyadh Mansoor, Rasha A Hussein, "Extinction Cross-Section Modeling of Metallic Nanoparticles", Iraqi Journal of Science, 2903-2912, 2020. https://doi.org/10.24996/ijs.2020.61.11.14
- Rasha A. Hussein Riyadh Mansoor, Firas Faeq K Hussain, "Dispersion characteristics of asymmetric multistep titanium nitride channel plasmon waveguide", Proceedings of the International Conference on Information and Communication Technology, 65-68, 2019. https://dl.acm.org/doi/abs/10.1145/3321289.3321566
- Hesham Sakr, Rasha A Hussein, Mohamed Farhat O Hameed, SSA Obayya, "Analysis of photonic crystal fiber with silicon core for efficient supercontinuum generation" Optik, 182, 848-857, 2019. https://doi.org/10.1016/j.ijleo.2019.01.104

Languages

- Arabic (mother tongue).
- English (Good speaking, writing, and scientific publishing).

Activities and Interests

- Reading, travelling

Membership

- IEEE
- OSA

Awards

- /