RIYADH DAKHIL MANSOOR

B. Sc. M. Sc. PhD. CEng. MIET. SMIEEE.

Chartered Engineer

Address:
Samawa, Al-Muthanna, Iraq.

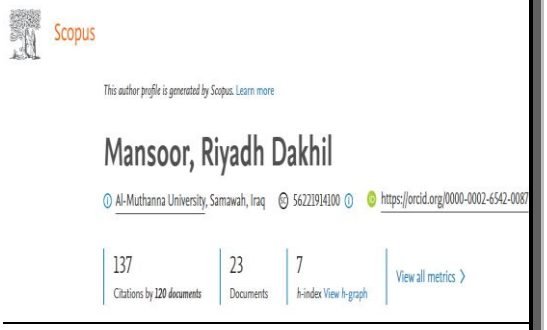
Mob:
009647825617040

DOB:
1st of July, 1975

https://www.linkedin.com/in/riyadh-mansoor-57734059/

https://www.researchgate.net/profile/Riyadh-Mansoor

riyadhdmu@mu.edu.iq
riyadhdmu@gmail.com



• SUMMARY: ==========

A well-organized expert in the areas of teaching, supervision, and practical engineering. Have a demonstrated history of success in raising students' test scores and providing effective instruction. Capability to work well with others and to settle problems and disagreements professionally. Possess the capacity to convey difficult concepts in a way that is understandable while still being enjoyable. I am looking for a position that allows me to share my knowledge and talents while also providing me with a real potential for career advancement.

• EDUCATION: ==========

1. **Ph.D. Degree in Optical Communication Engineering**
   "Crosstalk and signal integrity in ring resonator based optical add/drop multiplexers for WDM networks", De Montfort University, Leicester, UK, Oct. 2015. Supervisor: Prof. Alistair Duffy (CEng, FIET, IEEE fellow). Examiners: Prof. Trevor Benson (FIET, SMIEE, FREng.) and Prof. Raouf Hamzaoui.

2. **M. Sc. Degree in Communication Engineering**
   "A study on Soliton-based Optical communication systems", University of Basra/ Iraq, Nov.1998. Supervisor: Prof. Ra'ad Sami Fyath.

3. **B. Eng**. Electrical and Electronic Engineering from the University of Basra/ Iraq, June 1996.

• AFFILIATION: ==========

Assistant Professor with the Department of Electronics and Communication Engineering at Al-Muthanna University, Iraq.

• WORK EXPERIENCE: ==========

1. **2020-Current,** Assistant Professor with Electronics and Communication Engineering, MU, Iraq.
2. **2019-2020** Dean assistant for administration affairs, Engineering College, Al Muthanna University
3. **2017-2019** Head of the planning department at Al Muthanna University.
4. **2001-2011** Chief Engineer with the Ministry of Industry, Iraq.

• TEACHING EXPERIENCE: ==========

1. **2017- Current** Lecturer with the Department of Electronics and Communication Engineering, Al Muthanna University, Iraq.
2. **2012-2016** Part-time teaching at the School of Engineering, DMU, Leicester, UK.

• MEMBERSHIP OF PROFESSIONAL SOCIETIES: ==========

- MIET.
- Senior Member IEEE.
- OSA Member.

• SKILLS: ==========

Leadership, Research, ability to prioritize tasks, time management, and Academic Writing.

• OBJECTIVES: ==========

1. To leverage extensive experience in higher education administration to serve as an Academic Dean at a prestigious university.
2. To utilize strong leadership and organizational skills to effectively manage the academic operations of a college or university.
3. To bring innovative ideas and strategies to improve the academic standards of a college or university.
4. To lead, motivate and inspire faculty, staff and students in achieving their academic goals.
5. To foster an environment of collaboration among faculty, staff and students for successful academic programs

• AWARDS: ==========

1. Doctoral Thesis Prize for the best research in the Faculty of Technology, De-Montfort University, Leicester, UK, 2016.
2. The valedictorian of the Electrical Engineering department, Basra University, 1996.
3. Chartered Engineer recognition from the Institute of Engineering and Technology, UK. 2016.

• TRAINING COURSES: ==========

1. Business management training course, Cairo, Egypt.
2. Photonic Integrated Circuits design and implementations, Cardiff, UK.
3. Teaching methods, University of Arkansas, USA.

- **Languages: ==========**
  - Arabic-native
  - English-advanced

- **MEMBERSHIP TO EXTERNAL COMMITTEES: ==========**

1. **Associate editor with ACES SOCIETY**
2. Reviewer with the IEEE access.
3. Editor with Semiconductor Science and Information Devices journal.
4. Reviewer with the International Journal of Numerical modelling: Electronic networks,Devices and Fields.
5. Reviewer with the IEEE transaction on Electromagnetics.
6. Reviewer with Sensors (http://www.mdpi.com/journal/sensors)
7. Reviewer with The Applied Computational Electromagnetics Society (ACES).

- **PUBLICATIONS AND OUTPUTS: ==========**

1. Mansoor, Riyadh. "SOI photonic circuits for optical communication systems." Computing, Telecommunication and Control 16.3 (2023): 18-28.
2. Imad, S., Mansoor, R., Ali, R., & Hussain, F. (2023). Modelling of asymmetric channel plasmonic polariton waveguides. Journal of Engineering and Applied Science, 70(1), 141.
3. Abd Mohammed, N., Almutoki, S. M. M., Mansoor, R., Jaber, A. K., Al Ghzawi, B. A. H. K., & Alsalamy, A. H. (2023, July). Resource allocation with energy balancing for uavs assisted vanets based intelligent transportation system. In 2023 Al-Sadiq International Conference on Communication and Information Technology (AICCIT) (pp. 282-287). IEEE.
4. Mansoor R. D., Abed A. K., Dakhil T., Al-Khursan A. H., Localized surface plasmons of gold nanoparticles, St. Petersburg State Polytechnical University Journal. Physics and Mathematics. 15 (4) (2022) 95–103. DOI: https://doi.org/10.18721/JPM.15407
5. Hussain, Firas Faeq K., et al. "Analysis of Efficient polarization filter based on double trenched channel plasmon polariton waveguides." Solid State Communications 358 (2022): 115005.
6. Abd Mohammed, Nidhal, et al. "Performance Analysis of WDM Coherent Optical OFDM Systems." 2022 2nd International Conference on Advances in Engineering Science and Technology (AEST). IEEE, 2022.
7. Abed, A., et al. "Multi-Patterns-Based Peak to Average Power Ratio Reduction in OFDM Systems." Journal of Communications Technology and Electronics 67.7 (2022): 834-842.
8. Alhasnawi, Bilal Naji, et al. "A new Internet of Things based optimization scheme of residential demand side management system." IET Renewable Power Generation 16.10 (2022): 1992-2006.
9. Abed, A. K., R. Mansoor, and A. K. Abed. "Particle Swarm Optimization-based dummy sub-carriers' insertion for peak to average power ratio reduction in OFDM systems. ICT Express (2022)."
10. Mansoor, Riyadh. "Design of SOI Slotted Ring Resonator for Add/Drop Multiplexing in All Optical Networks." 2021 1st Babylon International Conference on Information Technology and Science (BICITS). IEEE, 2021.
11. Hussain, Firas Faeq K., Riyadh Mansoor, and Rasha A. Hussein. "Extinction Cross-Section Modeling of Metallic Nanoparticles." Iraqi Journal of Science (2020): 2903- 2912.
12. Mansoor, Riyadh D., and Alistair P. Duffy. "Optical Crosstalk Improvement in Ring Resonator Based Add/Drop Multiplexers Using Controllable Reflectivity." Applied Computational Electromagnetics Society Journal 34.10 (2019).
13. Mansoor, Riyadh, and Alistair Duffy. "Optical racetrack resonators for strain sensing

applications." IET conference, UK, (2019): 15-6.
14. Mansoor, Riyadh, and Amin Habbeb AL-Khursan. "Numerical modelling of surface plasmonic polaritons." Results in Physics9 (2018): 1297-1300.
15. Mansoor, Riyadh D., and Alistair Duffy. "Enhancement of the Surface Plasmon Polaritons Excitation Efficiency." Journal of Southwest Jiaotong University 54.5 (2019).
16. Mansoor, Riyadh, Firas Faeq K. Hussain, and Rasha Ali. "Dispersion characteristics ofasymmetric multistep titanium nitride channel plasmon waveguide." Proceedings of the International Conference on Information and Communication Technology. 2019.
17. Mansoor, Riyadh D., and Laith M. Rasheed. "A Study on The Conductivity of Polyaniline Polymers." IOP Conference Series: Materials Science and Engineering. Vol. 571. No. 1. IOP Publishing, 2019.
18. Rasheed, Laith M., and Riyadh Mansoor. "Synthesis and Characterization of Polytetrafluoroethylene Composite for Electrical Insulation and Dielectrics." IOP Conference Series: Materials Science and Engineering. Vol. 1090. No. 1. IOP Publishing, 2021.
19. Madziga, Miriam, Abdulla Rahil, and Riyadh Mansoor. "Comparison between Three Off-Grid Hybrid Systems (Solar Photovoltaic, Diesel Generator and Battery Storage System) for Electrification for Gwakwani Village, South Africa." *Environments* 5(2018): 57.
20. R. D. Mansoor, H. Sasse, S. Ison and A. Duffy, "Crosstalk bandwidth of grating- assisted ring resonator add/drop filter," Optical and Quantum Electronics, vol.47, no.5,pp.1127-1137, 2015.
21. R. D. Mansoor, S. Koziel, H. Sasse, and A. Duffy, "Crosstalk Suppression Bandwidth Optimization of a Vertically Coupled Ring Resonator Add/Drop Filter," IET Optoelectronics, vol.9, no.2, pp.30-36, April, 2015.
22. R. D. Mansoor, H. Sasse, M. A. Asadi, S. J. Ison and A. Duffy, "Estimation of the Bandwidth of Acceptable Crosstalk of Parallel Coupled Ring Resonator Add/Drop Filters," Transactions on EMC, IEEE Journal of, June, 2015. DOI: 10.1109/TEMC.2015.2432914
23. R. D. Mansoor, H. Sasse and A. Duffy, "Optimization of Reflection Coefficient in RingResonator Add/Drop Filters", International Journal of Numerical Modelling: ElectronicNetworks, Devices and Field, 2015. DOI: 10.1002/jnm. 2080.
24. R. Mansoor, H. Sasse, and A. Duffy, "Enhancing the depth notch using a rough-walledSOI ring resonator" IEEE Optical Interconnects, San Diego, California, USA, 2015.
25. R. Mansoor, A. Duffy, "Review of Progress in Optical Ring Resonators with Crosstalk Modelling in OADMS" the 64th IWCS conference, Atlanta, USA, 2015.
26. R. Mansoor, M. Al-Asadi, and A. Duffy, "Optical Ring Resonator Add/Drop Filters", Derby Electrical and Electronic Research Showcase (DEERS), Derby, UK, 2015
27. R. D. Mansoor, H. Sasse, M. A. Asadi, S. J. Ison and A. Duffy, "Over Coupled Ring Resonator-Based Add/Drop Filters," Quantum Electronics, IEEE Journal Of, vol. 50, pp. 598-604, 2014.
28. R. Mansoor, H. Sasse, S. Ison, and A. Duffy, "Modelling of Back Reflection in OpticalRing Resonators,", IEEE International Conference on Numerical Electromagnetic Modelling and Optimization for RF, Microwave, and Terahertiz Applications (NEMO),Pavia, Italy, 2014.
29. R. Mansoor, H. Sasse, and A. Duffy, "Optimization of Vertically Coupled Add/Drop Ring Resonator Based Filter," Proceedings of the Semiconductor and Integrated OptoElectronics (SIOE) Conference, Cardiff, UK, 2014.
30. R. Mansoor, H. Sasse, and A. Duffy, "Modelling of A Roughened Sidewall Ring Resonator Add/drop Filter," Proceedings of the XXII International Workshop on Optical Wave & Waveguide Theory and Numerical Modelling (OWTNM), Nice, France, 2014.
31. R. D. Mansoor, H. Sasse and A. P. Duffy, "Analysis of Optical Ring Resonator Add/Drop Filters," Proceedings of the 62nd IWCS Conference, pp. 471-475, Charlotte,USA, 2013.
32. R. D. Mansoor, S. Ison, H. Sasse and A. P. Duffy, "Impact of crosstalk in all-optical networks," Proceedings of the 61st IWCS Conference, pp. 849-855, Rhode Island, USA, 2012.