

Staff Member Information Form



General Information:

Name	Dr. Sami Gumaan Salmen Daraigan	Department	Mathematics
Staff position	Associate Professor	Nationality	Yemeni
Phone	0175419986	Email	sgdaraigan@nu.edu.sa
Specialization	Physics	Area of Specialization	Applied Physics

Qualifications:

Degree	Date	Country	University	way of Study
Ph.D. in Physical Science	2007	Malaysia	University Science Malaysia	Thesis mode
M.Sc. in Physical Science	2002	Iraq	Al-Mustansiriyah University	Courses + Thesis mode
B.Sc. in Physics Science	1995	Yemen	Aden University	Courses mode

Academic Titles:

Title	Date	Country	University	way of achievement
Lecturer	1995	Yemen	Aden University	Courses mode



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Assistant Professor	2007	Yemen	Hadhramout University	Courses + Thesis mode
Associate Professor	2013	Yemen	Hadhramout University	Promotion researches

Courses taught

Course Name	Teaching Year	Note
Quantum mechanics I	2007-2014	
Quantum mechanics II	2007- 2014	
Fluid Mechanics	2009- 2014	
General Physics I	2007- 2014	
General Physics II	2007- 2014	
General Physics III	2007- 2014	
Mechanics	2013-2014	
Heat and Property Matter	2013-2014	
Introduction to Physical science	2014- Present	
Principles of Physics	2019- Present	
Quantum chemistry	2020- Present	
Statics	2014- Present	
Dynamics I	2014- Present	
Dynamics	2019- Present	
Physics	2014- Present	
Experimental Physics	2007- Present	
Joiner Physics	2007- 2013	

Publication while in Najran University :

1. **Daraigan, S.G.**, Ahmed A. M., and Bin Shamlan M. F., 2019 Relationship between electrical conductivity and total dissolved solids in groundwater for Sharourah city and its outskirts, Saudi Arabia, Hadhramout University Journal of Natural and Applied Sciences, Hadhramout University, Yemen, Vol. 16(1).
2. **Daraigan, S.G.** , Ahmed A. M., Bin Shamlan M. F. and Wahdain, A. S., 2017,Mathematical Analysis Study of Physical Parameters And Water Quality Index for Groundwater Quality Monitoring in Coastal Hadhramout –Yemen, University of Aden Journal of Natural and Applied Sciences, Yemen,.Vol.21 (2), 421-437.
3. **Daraigan, S.G.** , Ahmed A. M., Bin Shamlan M. F. and Wahdain, A. S., 2016,



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Multiple Linear Regression Model for Chloride Estimation of Groundwater in Ash-Shihr Town and its Outskirts, Hadhramout-Yemen, International Journal of Environmental Sciences, Integrated Publishing Association,(IPA Journals, India), Vol.6 (6), 1153-1162.

4. Wahdain, A. S., and **Daraigan, S.G.**, 2016, Analytical Study on the Modulation Instability of the Relativistic Plasma, Alandalus Journal of Applied Sciences, Alandalus University for science and Technology (AUST), Yemen, Vol. 14(6), 47-62.
5. Wahdain, A. S., and **Daraigan, S.G.**, 2016, The Modulation Instability and Soliton Propagation in Relativistic Plasma in a Strong Magnetic Field, Hadhramout University Journal of Natural and Applied Sciences, Hadhramout University, Yemen, Vol. 11(1).

Publication outside the University:

6. Wahdain, A. S., and **Daraigan, S.G.**, 2014, The Instability Modulation and Nonlinear Landau Damping in the Relativistic Plasma, Hadhramout University Journal of Natural and Applied Sciences, Hadhramout University, Yemen, Vol. 11(1).
7. **Daraigan, S.G.**, and Wahdain, A. S., 2012, Computational Study of Physical and Chemical Parameters of Groundwater Quality Monitoring in Ash-Shihr Town and its Outskirts, Hadhramout-Yemen, Journal for Natural and Applied Sciences , Aden University, Yemen, Vol. 16(3).
8. Lim, H.S., MatJafri, M.Z. , Abdullah, K and **Daraigan, S.G.**, 2011, A sensitive suspended sediment sensor for the detection of total suspended solids (TSS), Optica Applicata, Vol. 41 (3), 631-637.
9. **Daraigan, S.G.** , Wahdain, A. S., BaMosa, A. S. and Obid, M. H., 2011, Linear Correlation Analysis Study of Drinking Water Quality Data for Al-Mukalla City, Hadhramout, Yemen, International Journal of Environmental Sciences, Integrated Publishing Association,(IPA Journals, India), Vol.1 (7), 1692-1701.
10. **Daraigan, S.G.**, Al-Obaidi, H. N. and MatJafri, M.Z., 2009, Computational Investigation of Projector Lenses Using Mathematical Models, Jurnal Fizik Malaysia, University Science Malaysia, Malaysia, Vol.30 (1-4), 11-18.
11. **Daraigan, S.G.**, MatJafri, M.Z , Wahdain, A. S., and Lim, H.S., 2009,



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An Inexpensive Optical Sensor for Monitoring Total Suspended Particulates in Air, Journal of Hadhramout University, Hadhramout University of Science and technology, Yemen, Vol.8 (16), 319-328.

12. **Daraigan, S.G.** , MatJafri, M.Z. , Abdullah, K, Lim, H.S. and Wong , C.J., 2009, Multispectral Air Pollution Sensor to Characterize of Total Suspended Particulates (TSP) Concentration, SPIE, USA, 2009, PROCEEDINGS- SPIE THE INTERNATIONAL SOCIETY FOR OPTIC ENGINEERING,, Vol. 7336, 73361O. (2009); doi:10.1117/12.820306, Online Publication Date: 11 May 2009.
13. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Lim, H. S. and, Hashim, S. A., 2007, TSS Measurements in the Straits of Penang, Malaysia, Using Multispectral Algorithm, In the Proceeding of 2nd regional conference on ecological and environmental modeling (ECOMOD 2007), 28-30 August, Gurney Hotel, Penang, Malaysia.
14. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Lim, H. S. and Hashim, S. A., 2007, Dwi-detector Optical Sensor for Measuring The Concentration of Total Suspended Solids in Waters, In the Proceeding of SPIE2007 Volume: 6567, 65671O, (2007) -The International Society for Optical Engineering, Signal Processing, Sensor Fusion, and Target Recognition XVI, edited by Ivan Kadar.
15. **Daraigan, S. G.**, Hashim, S. A., MatJafri, M. Z., Abdullah, K., Wong, C. J. and Saleh N. M. 2007, Multispectral Absorption Algorithm for Retrieving TSS Concentrations in Water, In the Proceeding of The International Geoscience and Remote Sensing Symposium (IGARSS Barcelona 2007). The IEEE Geoscience and Remote Sensing Society, 23-27 July, 2007, Barcelona, Spain.
16. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., and Hashim, S. A., 2006, Development of Algorithm for Measuring Water Pollution Levels, In the Proceeding of The Seminar Kebangsaan Sains Kuantitatif (SKSK 2006), 19 – 21 December, Langkawi, Malaysia.
17. Hashim, S.A., MatJafri, M. Z., Abdullah, K., Salleh, N. M. **Daraigan, S. G.**, Lim H. S. and Sultan Al Sultan, 2006, Land Feature Retrieval Over the Desert of Al-Harram, Saudi Arabia. Abstract Submitted of Persidangan Bersama Geosains UKM-ITB 2006. 19-20 Disember 2006, Hotel City



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Bayview, Langkawi, Malaysia.

18. Lim, H. S., MatJafri, M. Z., Abdullah, K., Salleh, N. M., Hashim, S. A., and **Daraigan, S. G.**, 2006, Atmospheric Optical Thickness Derived from Spectroradiometer Measurement Over USM Campus. Abstract Submitted of Persidangan Bersama Geosains UKM-ITB 2006.19-20 Dismember 2006, Hotel City Bayview, Langkawi, Malaysia.
19. **Daraigan, S. G.**, Hashim, S. A., MatJafri, M. Z., Abdullah, K., Saleh, N. M., and Wong, C. J., 2006, A Scattering Algorithm for Measuring the Total Suspended Sediment of Penang Sea, Malaysia. In the Proceeding of International Conference on Space Technology & Geo-Informatics 2006 during 5 - 8 November 2006 at Ambassador City Jomtien Hotel, Pattaya, Chon buri, Thailand.
20. **Daraigan, S. G.**, MatJafri, M. Z., and Abdullah, K., Wong, C. J., Abdul Kadir, N. A., Ashshaari, N. A., 2006, Deriving Optical Model of Water and its Use for Measuring TSS, The 2nd IMT-GT 2006 Regional Conference on Mathematics, Statistics and Applications, June 13 – 15, 2006, Gurney Hotel, Penang, Malaysia.
21. Hashim, S. A., **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., and Lim, H. S., 2006, Multispectral Air Pollution Sensor to Characterize of Total Suspended Particulates (TSP) Concentration, The 2nd IMT-GT 2006 Regional Conference on Mathematics, Statistics and Applications, June 13 – 15, 2006, Gurney Hotel, Penang, Malaysia.
22. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K. Saleh, N. M., and Wong, C. J., 2006, An Inexpensive Multi-detector Optical Sensor for Water Quality Monitoring, Findings of Young Researchers on Applied Sciences 2006, Vol. 1, Physics and Material Science (CAS 2006), pp. 19-21, Conference 13 - 14 June, 2006, Hyatt Regency Saujana, Subang, Malaysia.
23. Lim, H. S., MatJafri, M. Z., Abdullah, K., **Daraigan, S. G.**, and Saleh, N. M., 2006, High Spatial Resolution Land Cover Mapping Using Remotely Sensed Image of Penang. Findings of Young Researchers on Applied Sciences 2006, Vol. 1, Physics and Material Science (CAS 2006), pp. 251-251, Conference 13 - 14 June, 2006, Hyatt Regency Saujana, Subang, Malaysia.
24. Lim, H. S., MatJafri, M. Z., Abdullah, K., **Daraigan, S. G.**, Hashim, S. A.,



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- and Saleh, N. M., 2006, Land Surface Temperature Estimation from Landsat TM Thermal Measurement over Penang. . Findings of Young Researchers on Applied Sciences 2006, Vol. 1, Physics and Material Science (CAS 2006), pp. 291-293, Conference 13 - 14 June, 2006, Hyatt Regency Saujana, Subang, Malaysia.
25. Hashim, S. A., **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., and Mohd. Salleh, N., 2006, The Development of the Multispectral Algorithm for Measuring Air Pollution levels, The Malaysian Solid State Science and Technology Society, MASS. Kuala Terengganu. Malaysia.
26. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Lim, H. S. and , & Wong, C. J., 2006, Multi-spectral Optical Sensor Based on Light Scattering for Measuring Total Suspended Solids, In the Proceeding of SPIE2006—The International Society for Optical Engineering, Bellingham, WA 98227-0010 USA. Proceedings of SPIE -- Volume 6201, Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security and Homeland Defense V, Edward M. Carapezza, Editor, 62010W (May. 10, 2006).
27. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Lim, H. S., Wong, C. J., and Hashim, S. A., 2006, Water Pollution Monitoring Using Optical Based on Transmitted Light, In the Proceeding of SPIE2006—The International Society for Optical Engineering, Bellingham, WA 98227-0010 USA. Proceedings of SPIE -- Volume 6201, Sensors, and Command, Control, Communications, and Intelligence (C3I) Technologies for Homeland Security and Homeland Defense V, Edward M. Carapezza, Editor, 62010U (May. 10, 2006).
28. **Daraigan, S. G.**, MatJafri, M. Z., and Abdullah, K., Hashim, S. A., Wong, C. J., Abdul Kadir, N. A., Ashshaari, N. A., 2006, Computed Relationship between the Measured Pollutant's Concentration and Detected radiation in water Samples, In the Proceeding of Kustem 5th Annual seminar 2006 on Sustainability Science and Management, pp. 349-350, 2-3 May, Primula Beach Resort, Kuala Terengganu. Malaysia.
29. Hashim, S. A., **Daraigan, S. G.**, MatJafri, M. Z., and Abdullah, K., and Wong, C. J., 2006, The Development of the Air Pollution Sensor, In the Proceeding of Kustem 5th Annual seminar 2006 on Sustainability Science and Management, pp. 377-378, 2-3 May, Primula Beach Resort, Kuala Terengganu. Malaysia.



30. **Daraigan, S. G.**, Hashim, S. A., MatJafri, M. Z., Abdullah, K. And Wong, C. J., 2006, A Cheap- Cost Multi-spectral Optical Probe Sensor for Measuring Polluted Water. 3rd Life Sciences Postgraduate Conference, 'Life Sciences: Moving in Synchrony with the Changes in the World', 24-27 May 2006, Universiti Sains Malaysia, Penang, Malaysia.
31. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Abdul Aziz, A Tajuddin, A., and Bin Ismail, 2005, Correlation between LED's Lights and the Total Suspended Solids Concentrations in Polluted Water Samples, In the Proceeding of The International Conference on Quantitative Sciences and applications, Dec 6-8, 2005, Gurney Hotel, Penang, Malaysia.
32. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Abdul Aziz, A., and Hashim, S. A., 2005, Transmissometer Optical Sensor Measurement of the Total Suspended Solids, In the Proceeding of The International Conference on Quantitative Sciences and applications, Dec 6-8, 2005, Gurney Hotel, Penang, Malaysia.
33. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Abdul Aziz, A., and Hashim, S. A., 2005, The Designs of Optical Sensor System For Measuring Water Pollution Levels. Journal of Solid State Science and Technology Letters, Vol.12, 1 (Supplementary) December 2005. The XXXII Regional Conference on Solid State Science and technology, 18-21 December 2005. Hyatt Regency Hotel, Kuantan, Pahang, Malaysia. The Malaysian Solid State Science and Technology Society, MASS.
34. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Abdul Aziz, A. & Hashim, S. A. 2005, An Inexpensive Optical Sensor System for Total Suspended Solids in Water, In the Proceeding of The Regional Conference -Scientific and Analytical Methods in Manufacturing-2005 (SAMM2005), 16-17 August 2005, Cinta Sayang Cinta & Country Resort, Sungai Petani, Kedah Darul Aman, Malaysia.
35. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Abdul Aziz, A., Tajuddin, A. A. & Othman, M. F., 2005, A Method and Algorithm for Correlating Scattered Light and Suspended Particles in Polluted Water, In the Proceeding of The Regional Conference -Scientific and Analytical Methods in Manufacturing-2005 (SAMM2005), 16-17 August 2005, Cinta Sayang Cinta & Country Resort, Sungai Petani, Kedah Darul Aman, Malaysia.



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36. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Abdul Aziz, A & Lim, H. S., 2005, Total Suspended Solids Measuring Technique Using a New Optical Sensor, In the Proceeding of The Persidangan Kebangsaan KE-2, Pusat Pengajian Sosial, Pembangunan & Persekitaran [PK2PPSPP] Fakulti Sains Sosial & Kemanusiaan Universiti Kebangsaan Malaysia (UKM). 5-6 September 2005, Equatorial Hotel, Kuala Lumpur, Malaysia.
37. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Abdul Aziz, A., Lim, H. S., and Hashim, S. A., 2005, Air Pollution Monitoring Relationship between Measured Air Quality Parameter and Transmitted Light, In the Proceeding of The Persidangan Kebangsaan KE-2, Pusat Pengajian Sosial, Pembangunan & Persekitaran [PK2PPSPP] Fakulti Sains Sosial & Kemanusiaan Universiti Kebangsaan Malaysia (UKM), 5-6 September 2005, Equatorial Hotel, Kuala Lumpur, Malaysia.
38. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Abdul Aziz, A and. Tajuddin, A. A., 2005, A simple Instrument for Measuring Total Suspended Solids in Polluted Marine Waters, In the Proceeding of the 2005 IEEE International Conference on Sensors and International Conference on New Techniques in pharmaceutical and Biomedical Research (AsiaSense2005), Asian Conference on Volume, Issue, 5-7 Sept. 2005 Page(s): 219 - 221, 10.1109/ASENSE.2005.1564543. Istana Hotel, Kuala Lumpur, Malaysia.
39. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Abdul Aziz, A., Tajuddin, A. A., Mun, L. H. & Hashim, S. A., 2005, A New Technique for Measuring TSS in Marine Environment, In the Proceeding of The International Conference on Issues, Problems and Prpspects in Southeast Asia: The Geographical Perspective [IPP-SEA 2005]. 12-13 Sept 2005, Eastin Hotel, Petaling Jaya, Kuala Lumpur, Malaysia.
40. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Tajuddin, A. A., Abdul Aziz, A and Othman, M. F., 2005, An Active Optical Spectrometer for Measuring Suspended Particles in water, In the Proceeding of The International Symposium & Exhibition on Geoinformation 2005 'Geospatial Solutions for Managing the Borderless World' (ISG2005), 27-29 September 2005, Grand Plaza Park Royal, Batu Feringghi, Penang, Malaysia.
41. Hashim, S. A. MatJafri, M. Z., Abdullah, K., Tajuddin, A. A., Abdul Aziz, A., **Daraigan, S. G.**, and Lim, H. S., 2005, Development of a Novel Multi-



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- spectral Water Pollution Probe, In the Proceeding of The International Symposium & Exhibition on Geoinformation 2005 'Geospatial Solutions for Managing the Borderless World' (ISG2005), 27-29 September 2005, Grand Plaza Park Royal, Batu Feringghi, Penang, Malaysia.
42. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K. and Abdul Aziz, A., 2005, Water Quality Monitoring Using Multispectral Optical Sensor, In the Proceeding of Second Regional Symposium on Environmental & Natural Resources (2rd RSENR2005), Vol: 2, pp. 246-250, 22-23 March 2005, Pan Pacific Hotel, Kuala Lumpur, Malaysia.
43. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K. and Abdul Aziz, A., 2005, A Novel Technique for Analyzing Water Quality, In the Proceeding of Second Regional Symposium on Environmental & Natural Resources (2rd RSENR2005), Vol: 2, pp. 242-245, 22-23 March 2005, Pan Pacific Hotel, Kuala Lumpur, Malaysia.
44. Lim, H. S., MatJafri, M. Z., Abdullah, K. Saleh, N. M., and **Daraigan, S. G.**, 2005, PM10 Retrieval Over Land from OCTS Data, In the Proceeding of Second Regional Symposium on Environmental & Natural Resources (2rd RSENR2005), Vol: 1, pp. 75-78, 22-23 March 2005, Pan Pacific Hotel, March, Kuala Lumpur, Malaysia.
45. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Abdul Aziz, A., Hashim, S. A. Muhammad Khir, F. L. and Yaacob, R., 2005, Optical Sensor for Monitoring Total Suspended Solids of the Polluted Water, Proceeding of Fourth Malaysian Remote Sensing and GIS Conference And Exhibition "Operationalisation of Remote Sensing and Spatial Technologies For Nation Development", 5-6 April 2005, Legend Hotel, Kuala Lumpur, Malaysia.
46. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Chiong, L. S. and Yap, M. F., 2005, Air Quality Monitoring Using Multi-spectral Optical sensor, Proceeding of Fourth Malaysian Remote Sensing and GIS Conference And Exhibition "Operationalisation of Remote Sensing and Spatial Technologies For Nation Development", 5-6 April 2005, Legend Hotel, Kuala Lumpur, Malaysia.
47. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Hashim, S. A. and Sultan AlSultan, 2005, Polluted Water Measuring Using A Novel Optical Sensor System, From Pharaohs to Geoinformatics FIG Working Week 2005 and



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GSDI-8, Intercontinental Semiramis, Cairo, Egypt April 16-21, 2005, "TS 27.8-Remote Sensing and Photogrammetry".

48. **Daraigan, S. G.**, MatJafri, M. Z. Abdullah, K., A. Abdul Aziz, Hashim, S. A., and Lim, H. S., 2005, The Use of Multi-Spectral Spectrometer for Monitoring Polluted Water, In the Proceeding of Kustem 4th Annual seminar 2005 on Sustainability Science and Management, pp. 830-833, 2-3 May, Primula Beach Resort, Kuala Terengganu.
49. **Daraigan, S. G.**, MatJafri, M. Z. Abdullah, K., Lim, H. S., Hashim, S. A., Chiong, L. S. and Yap, M. F., 2005, The Total Suspended Particulates Concentrations Measurements in Air Using Multi-spectral Sensor, In the Proceeding of Kustem 4th Annual seminar 2005 on Sustainability Science and Management, pp. 834-837, 2-3 May, Primula Beach Resort, Kuala Terengganu.
50. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K. and Abdul Aziz, A., 2005, The development of the multi-spectral water pollution sensor, In the Proceeding of The 2nd International Conference on Mechatronics, ICOM'05, Vol: 2, pp. 634-638, 10-12 May 2005, Pan Pacific Hotel, Kuala Lumpur, Malaysia.
51. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Lim, H. S., and Hashim, S. A., 2005, A Novel Multispectral Sensor for Monitoring TSS in Marine Environment, In the Proceeding of The 2nd Asia Oceania Geosciences Society (AOGS) (Abstract publication in CD) Annual Meeting 2005, 20-24 June 2005, Suntec Singapore.
52. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K., Tajuddin, A. A., and Lim, H. S., 2005, Multispectral Optical Sensor for Air Pollution Monitoring, In the Proceeding of The 2nd Asia Oceania Geosciences Society (AOGS) (Abstract publication in CD) Annual Meeting 2005, 20-24 June 2005, Hotel, , Suntec Singapore.
53. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K. and Lim, H. S., 2004, The use of a New algorithm for Measuring Suspended Particles in Water, In the Proceeding of conference on water management for sustainable environment 2004, 25-26 August, Shah Alam, Malaysia.
54. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K. and Abdul Aziz, A., 2004, Establishing a Mathematical Model for Water Pollution



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Measurement Using Analytical Method, In the Proceeding of regional conference on ecological and environmental modeling (ECOMOD2004), 15-16 September, Gurney Hotel, Penang, Malaysia.

55. **Daraigan, S. G.**, MatJafri, M. Z., Abdullah, K. and Abdul Aziz, A., 2004, Measurement of Total Suspended Sediment of Polluted Water: Performance of Difference Algorithms, In the Proceeding of national postgraduate colloquium (NAPCOL2004), 8-9 December, Gurney Hotel, Penang, Malaysia.

56. Al-Obaidi, H. N., **Daraigan, S. G.**, 2001, Synthesis of the Symmetrical Double Polepiece Magnetic Lenses Using Analytical Functions, In the Proceeding of the 14th science conference 2001, 3 April, College of Education, Al-Mustansiriyah University, Baghdad, Iraq.

Administrative Tasks

Administrative Positions:

- Supervisor of the Postgraduate Studies and Scientific Research Unit at the Faculty of Science and Arts Sharurah - Najran University (8/1/1442 -15/4/1442).
- Member of the Promotion Committee at the Faculty of Science and Arts Sharurah - Najran University (18/2/1441 - 2/1442).
- Adviser to the Dean of the Faculty of Science and Arts Sharurah for Postgraduate Studies and Scientific Research (16/2/1441 - 2/1442).
- Member of the Public Relations and Media Unit Development and Quality, Faculty of Science and Arts Sharurah - Najran University (12/1435 – 12/1438).
- Coordinator of Students Committee and Community Service, Department of Mathematics, Faculty of Science and Arts Sharurah - Najran University (11/1435 – 10/1436).
- Chairman of the Department of Physics - Faculty of Science - Hadramout University - Yemen (4/2013 - 9/2014).
- Member of the Quality Committee - Faculty of Science - Hadramout University – Yemen.
- Chairman of the Master's program in the Faculty of Science - Hadramout University - Yemen.



Activities regarding quality of higher education:

- Member of the review team for the International Journal of Environmental Monitoring and Analysis, ISSN Online: 2328-7667, ISSN Print: 2328-7659, <http://www.sciencepublishinggroup.com/j/ijema> ”(since August 31, 2020-Now).
- Research evaluation since 1/2019 - now for publication in Hydrology: Current Research • Online ISSN: 2157-7587.
- Member of the review team of Hydrology: Current Research Online ISSN: 2157-7587 (since 11/2019 - now).
- Research Assessment 2017-2019 for publication in Current World Environment (An International Research Journal of Environmental Science) ISSN: 0973-4929, Online ISSN: 2320-8031.
- A member at editorial team for the Journal of Applied Biotechnology, Macrothink Institute, United States.
- Article referee for the Journal of Applied Biotechnology, Macrothink Institute, United States on 2014.
- Article referee for European Physical Journal Applied Physics (EPJAP) on December 2010.
- Three articles referee for the Walailak Journal of Science and Technology, Institute of Research and Development, Walailak University, on May 2012, October 2013 and August 2014 .
- Articles referee for the Hadhramout University Journal of Natural and Applies Sciences, Hadhramout University, Yemen on 2012, 2013 and 2014.
- A member of The Working Group of Applied physics, School of Physics, University Science Malaysia, Penang, Malaysia (2004-2007).
- Assistant at IAEA Fifth Post Graduate Educational Course on Radiation Protection and Safety of Radiation Sources (2006-2007).
- Supervising final project students at Engineering Physics Laboratory of The School of Physics, Universiti Sains Malaysia (2004-2006).
- Supervising final project students at Department of Physics, Faculty of Science, Hadhramout University, Mukalla, Yemen (2007-2014).
- Article referee for promotion to Associate Professor of the Faculty of Science, Hadhramout University in 2008 and 2012.
- Academic advisor, Department of Mathematics , Faculty of Science and Arts Sharurah - Najran University.
- Academic Quality Coordinator, Department of Mathematics at the Faculty of Science and Arts Sharurah - Najran University (11-1435 - Present).
- Obtained the award in fourth place for supervising paper presented entitle "Golden number of optimum design in mathematics" participated by the main theme of the basic and engineering research and within the post Faculty of Science and Arts Sharurah in Scientific Forum VI students Najran University on 29/04/1436 AH .



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Participation in workshops (trainer/ trainee):

- Workshop entitled Common mistakes in preparing program and course reports through the Webex Meeting program presented by quality advisors at the University of Najran at the College of Science and Arts in Bashura - Najran University on Wednesday April 29, 2020 AD (trainee).
- Workshop entitled Scientific Research Strategy at Najran University, organized by the Deanship of Scientific Research at Najran University on Monday November 25, 2019 AD (trainee).
- Workshop entitled "Course Description" according to the developed models of the NCAAA, organized by the Skills Development Committee at the College of Science and Arts in Bashura - Najran University on Tuesday October 22, 2019 AD (trainee).
- Workshop entitled Performance Indicators: A Tool for Measuring and Evaluating Institutional and Program Performance Presented by Quality Advisors at the University of Najran at the Faculty of Science and Arts in Sharurah - Najran University Tuesday November 7, 2017 AD - Wednesday November 8, 2017 AD (trainee).
- Workshop for the MSC. Program, Department of Physics, Faculty of Science, Hadhramout University - Yemen (June 1, 2014).
- Training of PCI software at School of Physics University Science Malaysia, organized by Wong Tai Hong (Trainer from Jurupro Sdn. Bhd., Malaysia) on 4th August 2004, Penang, Malaysia.
- The workshop on Research Methodology, Statistical Technique, and Scientific Writing for life Sciences and Pure Sciences organized by Institute of Graduate Studies of University Science Malaysia at University Science Malaysia, on 13-18 December 2004, Penang, Malaysia.
- Training on Technical Computing with Wolfram's Mathematica; Capabilities, Design and Applications by Dr. Paul Abbott at School of Mathematical and Sciences, University Science Malaysia on 17th April 2006, Penang, Malaysia.
- Scientific Writing Workshop organized by Professor John F. Leslie at University Science Malaysia, 28-30 August 2006, Penang, Malaysia.

Courses (trainer/ trainee):



- Participant in the training course entitled "Program Description according to the developed models of the Education and Training Evaluation Commission (ETEC)", which was organized by the Deanship of Scientific Research at Najran University on Monday 11/30/2020 AD .
- Participant in the training course entitled "Supported Research Programs at Najran University" organized by the Deanship of Scientific Research at Najran University remotely on Monday 11/23/2020 AD.
- Participant in the training course entitled “The Role of Academic Department Leaders in Achieving Program Accreditation” organized by the Skills Development Committee at the College of Science and Arts in Sharurah - Najran University via a virtual classroom on Wednesday 11/18/2020 AD.
- Participant in the training course entitled "Innovative Motivation Methods in University Education" organized by the Skills Development Committee at the College of Science and Arts in Sharurah - Najran University via the virtual classroom on Wednesday 11/11/2020 AD.
- Participant in the training course - the fourth scientific forum entitled "The Scientific Publishing Mechanism for the IOP Publisher" within the Scientific Forum Program in the Digital Library Saudi Arabia in Riyadh, held on March 21, 2019 AD .
- Participant in the training course entitled "Reporting Skills and Administrative Transactions" organized by the Skills Development Committee at the College of Science and Arts Sharurah - Najran University Tuesday March 6, 2019 AD .
- Participant in the training course entitled "The Saudi Framework for Qualifications" organized by the Skills Development Committee at the Faculty of Science and Arts in Sharurah - University Najran, Tuesday February 19, 2019 AD .
- Participant in the A training course entitled “The System of Numbers of Study Plans” at the University of Najran, College of Science and Arts, Sharurah, Najran University 12 February 2019 AD.
- Participant in the training course on research skills, Faculty of Science and Arts Sharurah - Najran University 8/2/ 1436.
 - Participant in a training course on the use of modern technology in the Faculty of Science and Arts Sharurah - Najran University 2-3 /2/ 1436.
 - Participant in the training session on e-Education, Faculty of Science and Arts Sharurah - Najran University 23-24 /1/ 1436
 - Participant in the training session on the Academic Advising the Faculty of Science and Arts Sharurah - Najran University 1/ 1436.
 - Participant in the training session on the preparation of the achievement test and grades according to the quality standards of the Faculty of Science and Arts Sharurah - Najran University 16 /1/1436.
 - Participant in the Third Scientific Conference on the quality of academic programs and strengthening the role of the university community service in April 2014, organized by the of Hadhramout University - Yemen



Supervision over extra-curricular activities:

- Scientific Club Activities Supervisor, Faculty of Science and Arts Sharurah - Najran University .
- Student Activities Coordinator, Faculty of Science and Arts Sharurah - Najran University .

Educational Tasks:

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Languages:

- Arabic Language
- English Language

Books :

Nothing

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