



Curriculum vitae



Dr. Nedhal Sadie Abd Hijazie

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Education

Certificate	Specialization	Graduation year	University
B. Sc.	Physics Sciences	1981	University of Baghdad College of Sciences / Iraq
M.Sc.	Laser Physics	1988	University of Technology / Department of Applied Sciences/Iraq
Ph.D.	Electron Optics	2006	University of Mosul / College of Sciences / Iraq

Areas of Interest

1. - The major in which the teaching or academic is working at the present time.
Physics
- 2- The specialty that the instructor is interested in and pursues. Various fields of physics
- 3- Other disciplines close to the teaching or academic major, Physics and Mathematics

Professional Qualification/ Membership/ Affiliation

1. 1- A member of the Iraqi Academics Syndicate since 2018.
- 2- Member of the Iraqi Society for Physics and Mathematics

Publications

Journals

1. Acoustic optical spectroscopy by continuous carbon dioxide laser for longitudinal pattern excitation (002)
J.Math.Phys. 12 (2) 1991 - Iraqi soci. of phys.and math.
2. Measurement of laser power using a non-resonant acoustic optical cell.
J.Math.Phys. 12 (2) 1991 - Iraqi soci. of phys.and math.
3. Ethylene-acoustic optical spectroscopy at 10 microns using continuous carbon dioxide laser.
Engineering and Technology vol. 11 No. 10, 1992

4. Finding the elements of the matrix for some optical devices, Journal of Education and Science Issue 43, 2000
5. Laser beam temperature measurement using a non-resonant acoustic optical cell. Al-Rafidain Science Journal, Volume 12, Issue 4, 2001.
6. Investigation of focal and zoom-lens properties of three – element cylindrical electrostatic lens, published in Al-Rafidain Science Journal, Volume 21, Issue 3, 2010
7. Investigation of true focal and zoom –lens properties of five – element cylindrical electrostatic lens, published in Al-Rafidian Science Journal, Volume 21, Issue 2, 2010
8. Design of the objective magnetic and electrostatic lenses for low beam energies Journal of Jordan University Studies, Volume 37, Issue 2, August 2010
9. The electron optical performance of the Gemini lens design for low voltage scanning electron microscopes
Journal of Jordan University Studies, Volume 38, Issue 1, February 2011
10. Design Software of the Double Condenser Magnetic Lens System in a Scanning Electron Microscope
Iraqi Journal of Science A4 55, 2014
- 11- The effect of the geometrical shape of the poles of the asymmetric objective magnetic lenses on the optical properties in the scanning electron microscope
Journal of Educational and Scientific Studies / Iraqi University / Issue 10 December 2017

Conference Proceedings

- 1- The 8th Scientific Conference of the Iraqi Society for Physics and Mathematics under the title Physics and Mathematics Contribute to the Development of the New Iraqi Society 4-7 October 1988 University of Mosul
- 2 The fifteenth chemical conference and the Arab symposium on the relationship between the university and industry 3-7 February 1990 Basra University
- 3 The third scientific conference of the sciences of love under the title of life sciences research, creativity and originality, November 21-22, 2018, University of Mosul, 4
- The third scientific conference of the Faculty of Science, Chemistry Department, 24-25 October 2018, University of Mosul,

Supervisor for Students of M.Sc. and Ph.D.

Supervising one doctoral student

Certificates of Appreciation

- Number of participations in scientific seminars: 11
 Number of participants in the electronic training workshops of the Ministry of Higher Education and Scientific Research: 5
 Number of electronic workshops participants: 32
 Number of electronic training courses: 15

Other Activities

- 1- Working in the laser laboratories of the University of Technology in 1987.
- 2- Work in Molecular Physics Laboratories, University of Baghdad, College of Science, for the period 1981-1986
- 3- Preparing practical experiments for (modern, solid, nuclear and thermodynamic) laboratories for the various stages in the College of Science / University of Baghdad for the period from 1981-1986.

4- Member of the examination committee for a period of five years for the period 1981-1985 at the College of Science, University of Baghdad.

5- Preparing the new practical physics laboratory in the extension of the College of Agriculture and Forestry after the fall and the looting.

6- Giving a lecture entitled "Laser Physics and its Applications" within the seminars prepared in the Division of Basic Sciences for the academic year 2011.

7- Giving a lecture entitled "Nanotechnology, the present revolution and hope for the future" within the seminars prepared in the Division of Basic Sciences for the year 2019.

8- Member of the postgraduate examination committee for the year 2018-2019.

9- Member of the Postgraduate Examination Committee for the year 2019/2020.

10- Head of the Quality Committee in the Division of Basic Sciences for the year 2019/2020.