

Curriculum Vitae

Name of Person

Mustansiriyah University College of Education

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PERSONAL SUMMARY:

Professor Dr. Nidhal Nissan Jandow /Teaching / Academic

EDUCATION:

- *Ph.D.:*

ACADEMIC HONORS AND AWARDS:

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ACADEMIC /TEACHING EXPERIENCE:

1. 1981-1986/ Physical Associate in the Department of Physics Collage of Education - Al-Mustansiriyah University - Baghdad Iraq.
2. 1989-2003/ Assistant teacher in the Department of Physics - Collage of Education - Al -Mustansiriyah University, Baghdad, Iraq.
3. 2004-2007/ Assistant Professor in the Department of Physics, Collage of Education, University-Mustansiriyah - Baghdad, Iraq.
4. 1999/ teaching of the Theory of Optics.
5. Teaching various scientific laboratories (Optics, Nuclear, Electric, Atomic, Mechanics, Laboratory and Legends) from 1981 until now.
6. 2012-2013/ Post graduate coordinator in Physics Department of the College of Education/ Al-Mustansiriyah University.
7. 2012-2013/ teaching English to graduate students (master.s).
8. 2012-2013/ supervision for master student.
9. 2012 until now/ teaching of atomic physics and molecular theory in the Department of Physics, Collage of Education - Al-Mustansiriyah University.
10. 2012-2013/ Post graduate coordinator in Physics Department of the College of Education/ Mustansiriyah University.
11. The Preparatory Committee of 2012 19th Conference of the College of Education.
12. Head of the Department of Physics - College of Education - Al-Mustansiriya University from 2014 until 21/2/2017.
13. 2015-2016/ supervision for master student.
14. 2015-2016/ Teaching Atomic and molecular physics /Third stage students of undergraduate studies.

15. 2015-2016/ Teaching English language / First stage students of undergraduate studies.
16. 2015-2016/ Teaching English language / graduate students (PhD and Master.s).
17. 2016-2017/ Teaching Atomic and molecular physics /Third stage students of undergraduate studies.
18. 2016-2017/ Teaching English language / graduate students (PhD and Master.s).
19. 2016-2017/ supervision for master student.
20. 2017-2018/ Teaching Optics / Second stage students of undergraduate studies.
21. 2017-2018/ Teaching English language / graduate students (PhD).
22. 2018-2019/ Teaching Optics / Second stage students of undergraduate studies.
23. 2018-2019/ Teaching English language / (For graduate students (PhD) at six departments in our College).

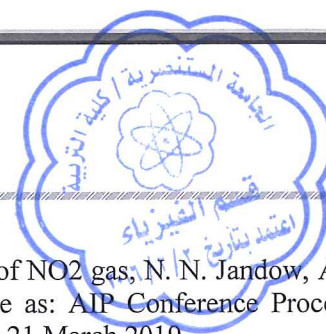


COURSES TAUGHT:

Undergraduate	Graduate
1- Theory of Optics 2- Atomic and molecular physics 3- English language	English language

PROFESSIONAL AFFILIATIONS:

- 1- **Post graduate coordinator in Physics Department of the College of Education/ Mustansiriyah University.**
- 2- **Head of the Department of Physics** - College of Education- Mustansiriyah University from 2014 until 21/2/2017.
- 3- **Member of Scientific Committee.**
- 4- **Supervised three M.Sc. students** (already graduated).
- 5- **Reviewer for 7 research papers** from various renowned journals, such as:-
 - 1- *Vacuum*/ 1.615
 - 2- *Ilorin Journal of Science, Nigeria.*
 - 3- *Nanotechnology/ (IOP Science)*/ 3.573
 - 4- *Materials Science in Semiconductor Processing* /2.264. (Two papers)
 - 5- *Journal of Experimental and Theoretical Nanotechnology Specialized Researches (JETNSR)*/ (Scopus)
 - 6- *International Journal of Nanoelectronics and Materials (IJNeaM)*/ (Scopus)
 - 7- *College of Education Journal* - Mustansiryah University
- 6- **Invited as an editor** in *InTech's Fall 2016 Catalogue of Planned Open Access Books.*
- 7- **Evaluation of patents:**
 - 1- Highly Sensitivity Organic Photodetector Based on Si/NiPcTs:PEDOT:PSS Bulk Heterojunction.
 - 2- Deposition system for metal/ polymers nanocomposite thin films using films cold plasma jet working at atmospheric pressure.
 - 3- Fabrication of Gas Sensor for H₂ and NO₂ from Silicon.
 - 4- Fabrication of photovoltaic detectors using TiO₂ doped with ZnO nanostructure by PLD technique.
 - 5- Building of dip coating system at low cost.
- 8- **International editor in International Journals**
 - 1- *Journal of Experimental and Theoretical Nanotechnology Specialized Researches.* (Scopus).
 - 2- *International Journal of Nanoelectronics and Materials.* (Scopus).
- 9- **Chair and Member** of Committees Examination for many Postgraduate students (Thesis and /or dissertation).
- 9- **Session Chair of the 7th International Conference on Nano and Materials Science ICNMS 2019/ January 4-7, 2019 / San Francisco, CA, USA.**



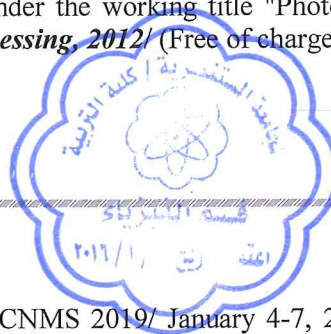
PUBLICATIONS:

- 1- Thickness effect of ZnO/PPC gas sensor on the sensing properties of NO₂ gas, N. N. Jandow, A. K. Elttayef, A. F. Majied, N. F. Habubi, N. Saadeddin, and Y. Al-Douri, Cite as: AIP Conference Proceedings 2083, 020003 (2019); <https://doi.org/10.1063/1.5094306> Published Online: 21 March 2019
- 2- Annealing Effects on Band Tail Width, Urbach Energy and Optical Parameters of Fe₂O₃:Ni Thin Films Prepared by Chemical Spray Pyrolysis Technique, NN Jandow, NF Habubi, IA Al-Baidhany, MA Qaeed, International Journal of Nanoelectronics & Materials 12 (1), 2019.
- 3- Novel Relationship among Spiral Arm Pitch Angles (p) and momentum parameter of the host spiral galaxies, I Al-Baidhany, HG Rashid, SS Chiad, NF Habubi, NN Jandow, WA Jabbar, Journal of Physics: Conference Series 1003 (1), 012107, 2018.
- 4- Optical properties of Polyvinyl Alcohol Films doped with Fe, MM Kareem, SS Chiad, NF Habubi, K HaneenAbass, NN Jandow, Journal of Garmian University, 4, (4), <https://doi.org/10.24271/garmian.218>, (2017).
- 5- Structural and Morphological properties for Zinc Oxide Doped with Silver Nanoparticles (ZnO:Ag) on a Polymer Substrate, N. A. Mohsen, A. J. N.N. Jandow, Journal of College of Education, No3/ 2017.
- 6- Optical Constants of Aluminum Doped Zinc Oxide Thin Films, Sami Salman Chiad, Nadir Fadhil Habubi, Khalid Haneen Abass, Nidhal Nissan Jandow, Ismaeel A. Al-Baidhany, Wasmaa Abdulsattar Jabbar, Hassan Hadi Daroysh, Mohmood Muafaq Abood, Fondazione Giorgio Ronchi, ANNO LXXII, 2017- 1.
- 7- Structural and optical studied of nano structured lead sulfide thin films prepared by the chemical bath deposition technique, Nasser Saad Al Din1, Nabiha Hussain and Nidhal Jandow, AIP Conf. Proc. 1758, 020002 (2016); <http://dx.doi.org/10.1063/1.4959378>.
- 8- Study the Optical Properties of the Deposited ZnO Thin Films by using Pulse Laser Deposition (PLD) Technique at Various Laser Pulse Energy N. N. Jandow, M. F. Jawad, H. H. Hamza. "21st Specialist Physics Conference, Al-Mustansiriyah University, College of Education, Department of Physics, 22-23 April 2015".
- 9- Effect of cobalt doping on the structural and optical properties of sprayed Zno thin films Nidhal N.Jandow, NabeelA.Bakr, Nadir F.Habubi, Materials Science An Indian Journal (MSAIJ), 12(12), (449-453), 2015.
- 10- Theoretical Study of fractal shape material of negative refractive index AB Shaalan, NF Habubi, NN Jandow, AN Shareef, Engineering and Technology Journal 33 (5 Part (B) Scientific), 813-818, 2015.
- 11- Effects of Cu-doping on Optical Properties of NiO, N.N. Jandow, International Letters of Chemistry, Physics and Astronomy, 48 (2015), 155-162.
- 12- Theoretical Study of fractal shape material of negative refractive index, Amer Basim Shaalan, Sami Salman Chiad, Nadir Fadhil Habubi, Nidhal Nissan Jandow, Ammar Nadal Shareef, Eng. &Tech.Journal, 33 Part (B), No.5, 2015.
- 13- Nickel Doping and Annealing Effects on the Structural and Optical Properties of Iron Oxide Thin Films, N. N. Jandow, Iraqi Journal of Applied Physics (IJAP), 10, (3), 17-22, (2014).
- 14- Optical and Dispersion parameters of ZnS Thin Films Prepared by Flash Evaporation Method, Nabeel A. Bakr , Nidhal N. Jandow , Nadir F. Habubi, International Letters of Chemistry, Physics and Astronomy, 20(1) (2014) 52-63.

- 15- Structural and Optical Properties of ZnO Thin Films Deposited on Poly Propylene Carbonate (PPC) Plastic Substrates by RF Magnetron Sputtering, N. N. Jandow, N. A. Bakr, N. F. Habubi. International Letters of Chemistry, Physics and Astronomy 20 (1), 52-63 2014.
- 16- N. N. Jandow, H. Abu Hassan, F. K. Yam, K. Ibrahim, Comparative study of the properties of ZnO thin films deposited on Poly Propylene Carbonate (PPC) and glass substrates. J. Mater. Sci., 47 (4), 1972-1976, (2012). (Impact Factor: 1.859)
- 17- N. N. Jandow, K. Ibrahim , H. Abu Hassan, S. M. Thahab, O. S Hamad, The electrical properties of ZnO MSM Photodetector with Pt Contact Electrodes on PPC Plastic, Journal of Electron Devices (J. E. D.), 7, 225-229, (2010).
- 18- N. N. Jandow, K. Ibrahima, F. K. Yam, H. Abu Hassan, S. M. Thahab, O. S. Hamad, The study of ZnO MSM UV photodetector with Pd contact electrodes on (PPC) plastic , J. Optoelectron. Adv. Mat.-Rapid, 4 (5) 726-730 (2010). (Impact factor: 0.477)
- 19- N. N. Jandow, F. K. Yam, S. M. Thahab, K. Ibrahim, H. Abu Hassan, The characteristics of ZnO deposited on PPC plastic substrate, Mater. Lett. 64 (21), 2366-2368, (2010). (Impact factor: 2.19)
- 20- N. N. Jandow, F. K. Yam, S. M. Thahab, H. Abu Hassan, K. Ibrahim, Characteristics of ZnO MSM UV photodetector with Ni contact electrodes on Poly Propylene Carbonate (PPC) plastic substrate, Curr. Appl. Phys. 10 (6), 1452-1455, (2010). (Impact Factor: 1.707)
- 21- N. N. Jandow, K. Ibrahim, H. Abu Hassan, I-V Characteristic for ZnO MSM Photodetector with Pd Contact Electrodes on PPC Plastic, AIP Conf. Proc., 1250 (2010) 424-427. (Impact Factor: 0.46)
- 22- I-V Characteristic for ZnO MSM Photodetector with Pd Contact Electrodes on PPC Plastic, NN Jandow, K Ibrahim, HA Hassan, AIP Conference Proceedings 1250 (1), 424-427. 4 2010.
- 23- The Optical properties of ZnO thin film on plastic substrate by DC-sputtering, AM Suhail, NN Jandow, K Ibrahim, proceeding 3rd scientific conference of the college of Science, Baghdad University 2 2009.
- 24- Investigation on Some Optical Properties of Bromine Doped Cadmium Oxide Thin Films, NN Jandow, Journal of College of Education, 397-541, 2008.

Chapter in Research Book

- 1) N. N. Jandow, H. Abu Hassan, F. K. Yam, K. Ibrahim, "ZnO metal-semiconductor-metal UV photodetectors on PPC plastic with various metal contacts", InTech book project under the working title "Photodetector", ISBN 979-953-307-350-6. ***InTech Open Access Publisher, under processing, 2012/*** (Free of charge due to the quality of the writing and the contents of the chapter).



PROFESSIONAL DEVELOPMENT

Conferences:

- 1- 2019/ 7th International Conference on Nano and Materials Science ICNMS 2019/ January 4-7, 2019 / San Francisco, CA, USA.
- 2- Arkansas Academy of Science 101th Annual Meeting April 7-8/2017.

- 3- The First International Scientific Conference, College of Education for Pure Science, University of Kerbala 12/4/2017.
- 4- The First International Scientific Conference, kut University College 29-30/4/2017.
- 5- 5th Scientific Conference of College of Education/ University of Garmian July 23-24/ 2017.
- 6- Third Scientific Conference of Women - College of Science for Girls- Baghdad University. 7-8 December 2016.
- 7- Scientific International Conference in Lebanon:
"TMREES Conference Series "Technologies and Materials for Renewable Energy, Environment and Sustainability", Beirut, Lebanon, 15-18 April 2016".
- 8- Scientific International Conference of the Academy of Sciences, Arkansas- America: "The Arkansas Academy of Science (AAS) 99th Annual Meeting hosted by University of Arkansas at Fayetteville, Fayetteville, Arkansas, 1-2 April 2016".
- 9- International Scientific Conference at the University of Technology:
"The 5th international scientific conference on technology & Advanced materials & their applications, 3-4 Nov. 2015, Baghdad, Iraq".
- 10- Scientific Conference of the Collage of Education, Department of Physics-Mustansiriyah University: 21st Specialist Physics Conference, Al-Mustansiriyah University, College of Education, Department of Physics, 22-23 April 2015.
- 11- International Scientific Conference at the University of Technology: "The 5th international scientific conference on technology & Advanced materials & their applications, 3-4 Nov. 2015, Baghdad, Iraq".
- 12- Scientific Conference of the collage of Education, Department of Physics-Mustansiriyah University: "20th Specialist Physics Conference, Al-Mustansiriyah University, College of Education, Department of Physics, 24-25 April 2014".
- 13- 19th Scientific Conference of the Collage of Education/ Mustansiriyah Universiy/ Baghdad, Iraq/ 2012".
- 14- International Scientific Conference in Switzerland:
"Conference 'Seeing at the Nanoscale VIII', 9 July 2010, Basel, Switzerland".
- 15- International Scientific Conference in Singapore:
"ICMAT & IUMRS-ICA conference, 28 Jun- 3 July (2009), Singapore".
- 16- International Scientific conference in China:
"(APCSEET 2009), 15-17 October (2009), Qingdao, China".
- 17- International Scientific Conference in Indonesia: "APS 2009 the 3rd Asian Physics Symposium, 22-23 July (2009), Bandung, Indonesia".
- 18- International Scientific Conference in Malaysia: "National Physics Conference (PERFIK2009), 7-9 December, Malaka, Malaysia".
- 19- 19 th Scientific Conference of the Collage of Education-Mustansiriyah- Baghdad, Iraq 2012".
- 20- Several Scientific Conferences of the Collage of Education at Mustansiriyah University before the doctorate.

