

Curriculum Vitae

Omed Ghareb Abdullah

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Assistant Professor
 Physics Department, School of Science,
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 University of Sulaimani, Sulaimani, P.O.Box: 342
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Field of Interest:

Material Science, Polymer Composite, Thin films, Powder Compaction.

Personal:

Date of Birth: July 22, 1969

Place of Birth: Sulaimani, Kurdistan Reign, Iraq.

Nationality: Iraqi-Kurdish

Gender: Male

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Higher Education:

2003-2006: Doctor of Philosophy in Physics (Material Science), College of Education (Iben Al-Haithem), Baghdad University, Iraq.

Title of PhD dissertation: "Finite Element Simulation of Ceramic Powder Compaction".

Supervisor: Prof. Dr. Fadhil Abd Rasin, Ass. Prof. Dr. Tariq Abdul Ridha Al-Dhahir.

1997-1999: Master of Science in Physics (Material Science), College of Education (Iben Al-Haithem), Baghdad University, Iraq.

Title of MSc Thesis: "Models for the Calculation of Lattice Parameters of Solid Solution Alloys".

Supervisor: Prof. Dr. Nabil N. Rammo, Ass. Prof. Dr. Samer A. Maky.

1990-1991: Bachelor in Physics, College of Education, Salahaddin University-Erbil, Hawler, Kurdistan Reign, Iraq.

Teaching experience:

- 1992-1999:** Assistant Physics in College of Education in Salahaddin University, working in Electronic Lab., Optical Lab., Mechanical Lab., Electricity Lab., and General Physics Lab.
- 1999-2005:** Assistant Lecture in College of Education in Salahaddin University, teaching: Computer, Optic, Electricity and Magnetic, Classical Mechanics, and General Physics for Chemical Department.
- 2005-2007:** Assistant Lecture in College of Science in University of Sulaimani, teaching: Properties of Matter, Wave Physics, and Numerical Analysis.
- 2007-2011:** Lecture in College of Science in University of Sulaimani, teaching: Numerical Analysis, Analytical Mechanics, and Electromagnetic Theory.
- 2010-2013:** Assistant Professor in Physics Department, Faculty of Science and Science Education, School of Science, University of Sulaimani, teaching: Numerical Analysis, Electromagnetic Theory, MATLAB Programming (MSc Course), and Computer Simulation (MSc Course).

Administrative Work Experience:

- Member of Physics and Mathematics Society, Kurdistan Region-Iraq (January 1994).
Member of Kurdistan Teachers Union, Erbil (November 1994).
Member of Iraqi Physics and Mathematics Society, Baghdad-Iraq (January 1996).
Member of Kurdistan Physicists' Syndicate (May 2006).
Member of Kurdistan Chemists and Physicists Society (September 2007).
Member of International Association of Computer Science and Information Technology (IACSIT) (September 2010).
Member of Association of Kurdistan Academicans (January 2012).
Head or member, of postgraduate and undergraduate Examining Committee in the Salahaddin and Sulaimani Universities for more than eight times.

Languages:

- Mother Tongue: Kurdish (perfect).
Knowledge of other languages: English and Arabic.

Computer Skills:

- Operating systems:** MSDOS, Windows, Unix.
Languages: Basic, Quick Basic, Fortran 77, Fortran 90.
General Computing: Word, Excel, Excess, PowerPoint.
Mathematics Software: MATLAB.
Electronic software: Auto Cad, ABAQUS.

Administrative Positions:

- Director of graduate unite, at school of Science-University of Sulaimani (11/12/2010-14/8/2012).
Member of Editor Board of Journal of Zankoy Sulaimani - Part A, (since 8/7/2012).

Training Courses Attended:

- A Training Course on the Methods of Teaching, Salahaddin University-Erbil (2000).
- A Training Course for English Language, Salahaddin University-Erbil (2001).
- A Training Course on Computer Skills, Baghdad University-Baghdad (2002).

Seminars:

March 1998 (Baghdad University): Optical Properties of Thin Film.

May 1998 (Baghdad University): Some Application of Maxwell Boltzmann Distribution.

April 2002 (Salahaddin University): Models for the Calculation of Lattice Parameters of Solid Solution Alloys.

March 2007 (Sulaimani University): Simulation of Powder Compaction Process.

October 2010 (Sulaimani University): Ionic Conduction in Polymers Composite.

Jun 2012 (Sulaimani University): Optimum Design of Dow Cell.

February 2012 (Sulaimani University): Passive Q-Switching.

Academic Visiting:

- Join the fellowship program of the Italian Ministry of Foreign Affairs organized by Landau Network-Centro Volta, for 2 months (18 October - 17 December 2007). The host is Professor M. Bornatici, at Physics Department "A. Volta", University of Pavia, Italy.
- Visiting Karlsruhe Institute of Technology, located in the city of Karlsruhe, Germany, for 10 days (20-30 November 2010), the delegation was formed from eight lectures from College of Science, University of Sulaimani.

Conferences and Workshop Participate:

- 1- First Scientific Conference for Pure Science, at University of Kirkuk, Kirkuk - Iraq, (24-25 February 2009).
- 2- Second Conference for Pure and Applied Science, at Kufa University, Kufa - Iraq, (11-12 March 2009).
- 3- Fives Scientific Conference of Karbala University, Karbala University, Karbala-Iraq, (11-12 April 2009).
- 4- Third International Conference on Aquatic Resources "Prospects and Challenges", Alexandria - Egypt, (17-20 November 2009).
- 5- National Physics Conference (PERFIK 2009), School of Physics and Material Studies, Faculty of Applied Sciences, University Technology MARA, Malacca - Malaysia, (7-9 December 2009).
- 6- MNQ-Workshop 2010 (Material Science, Nanotechnology and Quantum Information), College of Science, University of Sulaimani, Kurdistan Region, Iraq, (24-25 March 2010).
- 7- Science and Technology Workshop/Seminar 2010, held by PHYWE System GmbH, Organized by: Physics Department, College of Science, University of Sulaimani, Kurdistan Region, Iraq, (18-19 May 2010).

- 8- Second International Conference on Applied Physics and Mathematics (ICAPM 2010), Kuala Lumpur - Malaysia, (7-9 May 2010).
- 9- Fourth Scientific Conference of Wasit University, College of Science, Wasit University, Wasit - Iraq, (19-20 October 2010).
- 10- International Conference on Manufacturing Science and Technology (ICMST 2010), Kuala Lumpur - Malaysia, (26-28 November 2010).
- 11- Revitalizing Research in Kurdistan International Conference, Erbil, Kurdistan Region, Iraq, (14-16 December 2010).
- 12- Two-Days Workshop/Seminar on Science and Technology², held by PHYWE System GmbH, Organized by: Physics Department, College of Science, University of Sulaimani, Kurdistan Region, Iraq, (27-28 June 2011).
- 13- Workshop for Curriculum Development "Toward creation of an inference and constructive generation", University of Sulaimani, Kurdistan Region, Iraq, (21 September 2011).
- 14- Fifth Scientific Conference of Wasit University, College of Science, Wasit University, Wasit - Iraq, (13-14 December 2011).
- 15- International Conference on Physics Science and Technology (ICPST 2011), Dubai, UAE, (28-30 December 2011).
- 16- Two-Days Workshop on Astronomy, Meteorology, and Applied Optics, Organized by: Physics Department, School of Science, University of Sulaimani, Kurdistan Region, Iraq, (4-5 April 2012).
- 17- Third Workshop and Seminar on Science and Technology, Organized by: Physics Department, School of Science, University of Sulaimani, Kurdistan Region, Iraq, (12-14 November 2012).

Published and Accepted Papers:

- 1- *N.N. Rammo, and Omed Gh. Abdullah*, "A model for the prediction of lattice parameters of iron-carbon austenite and martensite", Journal of Alloys and Compounds, Vol. 420, pp. 117-120, (2006).
- 2- *Omed Gh. Abdullah*, "Numerical Simulation of Ruby Passive Q-switching with a Dy^{2+} :CaF₂ Solid-State Saturable Absorber", Zanco Journal of Pure and Applied Sciences, Vol. 21, No. 2, pp. 113-121, (2009).
- 3- *Omed Gh. Abdullah, Fadhil Abd Rasin, and Tariq A. Al-Dhahir*, "Finite Element Simulation of Alumina Ceramic Powder Compaction", International Journal of Pure and Applied Physics, Vol. 5, No. 1, pp. 15-31, (2009).
- 4- *Dana A. Tahir, Omed Gh. Abdullah, and Shuja-Aldeen B. Aziz*, "Dielectric analysis of Polystyrene polymer film", Journal of College of Education, Vol. 3, No. 3, pp. 852-862, (2009).
- 5- *Omed Gh. Abdullah, Fadhil Abd Rasin, and Tariq A. Al-Dhahir*, "Simulation Study for the Ceramic Powder Compaction Process", Journal of Kufa-Physics, Vol. 1, No. 2, pp. 12-25, (2009).

- 6- *Omed Gh. Abdullah, Dana A. Tahir, and Shuja-Aldeen B. Aziz*, "Optical and Electrical Properties of Polyvinyl-chloride (PVC) films", Iraqi Journal of Science, Vol. 51, No. 2, pp. 295-300, (2010).
- 7- *Omed Gh. Abdullah, Fadhil Abd Rasin, and Tariq A. Al-Dhahir*, "Simulation Study for Complex Shaped Pressing of Ceramic Powder", Journal of Material Science and Engineering, Vol. 4, No.7, pp. 96-100, USA (2010).
- 8- *Omed Gh. Abdullah*, "Control the output characteristic of Dy^{2+} :CaF₂ passively Q-switching ruby laser", Second International Conference on Computer Research and Development (ICCRD), Kuala Lumpur, Malaysia, DOI 10.1109/ICCRD.2010.102, pp. 470-473 (2010).
- 9- *Omed Gh. Abdullah, and Dana S. Muhammad*, "Physical properties of pure and copper oxide doped polystyrene films", International Journal of Material Science (IJOMS), Vol. 5, No. 4, pp. 537-545 (2010).
- 10- *Omed Gh. Abdullah, and Dlear R. Saber*, "Effect of Zirconia concentration on optical properties of Polystyrene films", Fourth Scientific Conference of Wasit University (19-20 October 2010), pp. 150-156, (2010).
- 11- *Omed Gh. Abdullah*, "Effect of TiO₂ concentration on the optical properties of polymer composite PC-PS films", Wasit Journal for Science and Medicine, Vol. 4, No. 1, pp. 83-91, (2011).
- 12- *Omed Gh. Abdullah, Sarkawt A. Hussen, and Ahmad Alani*, "Electrical characterization of polyvinyl alcohol films doped with sodium iodide", Asian Transactions on Science & Technology, Vol. 1, No. 4, pp. 1-4, (2011).
- 13- *Omed Gh. Abdullah, and Bakhtyar K. Aziz*, "Effect of Kaolin light concentration on optical characteristic of PVA films", Asian Transactions on Science & Technology, Vol. 1, No. 4, pp. 12-15, (2011).
- 14- *Omed Gh. Abdullah, Dana A. Tahir, Gelas M. Jamal, and Salah R. Saeed*, "Electrical Characterization of Polyester Reinforced by Carbon Black Particles", International Journal of Applied Physics and Mathematics, Vol. 1, No. 2, pp. 101-105, (2011).
- 15- *Omed Gh. Abdullah, and Sarkawt A. Hussen*, "Evolution of the optical properties of PVA films filled with Sodium Iodide", Tikrit Journal of Pure Science Vol. 16, No. 4, pp. 195-200, (2011).
- 16- *Dana A. Tahir, Omed Gh. Abdullah, and Dlear R. Saber*, "Optical Properties of Polystyrene-Aluminium Phosphate composite films", Fifth Scientific Conference of Wasit University, pp. 521-529, (2011).
- 17- *Othman S. Hamad, Omed Gh. Abdullah, Mudhaffer M. Ameen*, "Optimum Design of Anode for Dow Electrolytic Cell", International Journal of Applied Physics and Mathematics, Vol. 2, No. 6, pp. 417-421, (2012).
- 18- *Omed Gh. Abdullah, Dana A. Tahir, Gelas M. Jamal, and Salah R. Saeed*, "Dielectric properties of Polyester reinforced with Carbon black particles", Applied Mechanics and Materials, Vols. 110-116, pp. 170-176, (2012).
- 19- *Omed Gh. Abdullah, and Dlear R. Saber*, "Optical absorption of polyvinyl alcohol films doped with Nickel Chloride", Applied Mechanics and Materials, Vols. 110-116, pp. 177-182, (2012).

- 20- *Omed Gh. Abdullah, and Sarkawt A. Hussen*, "Variation of Optical Band Gap Width of PVA films Doped with Aluminum Iodide", *Advanced Materials Research Vols. 383-390*, pp. 3257-3263, (2012).
- 21- *Omed Gh. Abdullah, Bakhtyar K. Aziz, and Alan O. Saeed*, "Kaolin light concentration effects on the dielectric properties of polyvinyl alcohol films", *International Journal of Science and Advanced Technology*, Vol. 2, No.1, pp. 65-70, (2012).
- 22- *Dana A. Tahir, Gelas M. Jamal, and Omed Gh. Abdullah*, "Influence of Woven Roving Fiber E-Glass on Electrical Properties of Polyester Composite", *Journal of Al-Nahrain University*, Vol. 16, No. 3, pp. 97-101, (2013).
- 23- *Sherzad A. Taha, Dlshad O. Abdulrahim, Omed Gh. Abdullah*, "A Parametric Study for the Stopping Power of Some Electron Gas Targets Using Extended Bethe Formula", *International Journal of Basic & Applied Sciences IJBAS-IJENS*, Vol. 13, No. 1, pp. 6-8, (2013).