



Dr. Kasim Fawzy Ahmed

MSC (Microwaves)

PhD (Material Science)

Physics Department/ Salahaddin University– Hawler

Kurdistan Region

Erbil-IRAQ



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Academic Qualifications:

1. B. Sc. (1991-1995) in Physics -Department of Physics, College of Education, Salahaddin University-Hawler in Iraq.
2. Teaching assistance (1997-1999) in in Physics -Department of Physics, College of Education, Salahaddin University-Hawler in Iraq.
3. M. Sc. (1999-2002) in High power microwave tubes -Department of Physics, College of Education, Salahaddin University-Hawler in Iraq.
4. Teaching staff (2002-till now) in in Physics -Department of Physics, College of Education, Salahaddin University-Hawler in Iraq.
5. PhD student (2013-2017) in Material Science (Laser: Solid Active Medium) under a split-site program between University Technology Malaysia (UTM) and Salahaddin University-Hawler (SUH) in Iraq.
6. PhD (2017-now) in Material Science -Department of Physics, College of Education, Salahaddin University-Hawler in Iraq.

Management Qualifications:

1. Technician (1997-1999) in Physics -Department of Physics, College of Education, Salahaddin University-Hawler in Iraq.
2. Registrar (2002-2005) in College of Education, Salahaddin University-Hawler in Iraq.
3. Member in Examination committee (2002-2013) for more than (sessions) as a Professional programmer in College of Education, Salahaddin University-Hawler in Iraq.
4. Member in Main Examination committee (2011-2013) as a Counselor in Salahaddin University-Hawler in Iraq.
5. Member and chief in more than 50 college and university management committees.
6. Owner of more than 90 Appreciation documents from (College's dean, University's president and Minister of high education and research affairs' ministry).

- 7- The programmer of several important software that been used till now for management work, financial work and examination committee's work.

Publications:

1. Kasim Fawzy A. Rawanduzy ,” Theoretical Design for a Single-Anode MIG by Using PIC Method” , Zanko Journal of Pure and Applied Sciences Salahaddin university-Hawler, vol. 18, No. 3,pp. (90-108) 2010.
2. Kasim Fawzy A. Rawanduzy, “Design of a Single-anode MIG for high voltage, sub-centimeter gyrotron traveling wave amplifier”, The 2nd International Conference on Applied Physics and Mathematics, The Institute of Electrical and Electronics Engineers (IEEE), 7-10/5/2010, Kuala Lumpur, Malaysia.
3. Kasim Fawzy A. Rawanduzy & Gulala Mohammad Faraj, “Propagation characteristics of a high-power microwave in plasma filled waveguide”, to be published.
4. Kasim Fawzy A. Rawanduzy, “Design of a double anode magnetron injection gun for Gyrokystron amplifier”, to be published.
5. Ahmed, K. F., Ibrahim, S. O., Sahar, M. R. & Mawlud, S. Q. 2016 Preparation and Characterization Of Nd³⁺/Er³⁺ Ions Co-Doped Zinc-Tellurite Glass System. Zanco Journal of Pure and Applied Sciences, 28, S351-355.
6. Ahmed, K. F., Ibrahim, S. O., Sahar, M. R. & Mawlud, S. Q. 2017. Physical And Optical Properties Of Zinc Tellurite Glass Embedded Silver Nanoparticles Co-Doped With Nd³⁺/Er³⁺ Ions. Journal of Zankoy Sulaimani – Part A (Jzs-A), 19, 10.
7. Mawlud S. Q, Ameen M. M., Md. R. Sahar & Ahmed, K. F. 2016. Influence of Sm₂O₃ Ion Concentration on Structural and Thermal Modification of TeO₂-Na₂O Glasses. Journal of Applied Mechanical Engineering.
8. Saman Q. Mawlud, Mudhafar M. Ameen, Md. Rahim Sahar, Nurlhuda M. Yusof, Kasim F. Ahmed, Yahqub A. Tanko, Absorption and Luminescence Spectral Properties Study of Sm³⁺ Doped TeO₂-Na₂O Glasses, Proceedings of 4th International Science Postgraduate Conference 2016 (ISPC2016).
9. Ahmed, K. F., Ibrahim, S. O., Sahar, M. R., Mawlud, S. Q. & Hersh Ahmed Khizir, 2017. Thermal analyses, spectral characterization and structural interpretation of Nd³⁺/Er³⁺ ions co-doped TeO₂-ZnCl₂ glasses system.,
10. Saman Q. Mawlud, Mudhafar M. Ameena, Md. Rahim Sahar, Zahra A. Said Mahraz, and Kasim Fawzy Ahmed, Thermal stability and Judd-Ofelt analysis of optical properties of Sm³⁺-doped sodium tellurite glasses, AIP Conference Proceedings 1888, 020032 (2017) AIP Conference Proceedings 1888, 020008 (2017).
11. Saman Q. Mawlud, Mudhafar M. Ameena, Md. Rahim Sahar, Zahra A. Said Mahraz, and Kasim Fawzy Ahmed, Spectroscopic properties of Sm³⁺ doped sodium-tellurite glasses: Judd-Ofelt analysis, Optical Materials, Vol.69, 2017.

Activity in International conferences:

1. The 2nd International Conference of Applied Physics and Mathematics, Kuala Lumpur, Malaysia, 7-10 May. 2010.
2. The 5th Scientific Conference, University of Babylon, College of Science Iraq, 19-20 May. 2010.
3. The 5th international conference in Mechanical, Industrial and Manufacturing Technology (MIMT 2014), Penang, Malaysia, 10-11 March 2014.
4. The 5th International Conference on Solid State Science and Technology (ICSSST 2015), Langkawi, Malaysia, 13-15 December 2015.

5. The 3rd international conference on Energy, Environment and Applied Science (ICEEAS2016), Erbil, Iraq, 10-11 April 2016.
6. The 1st International Conference on Engineering and Innovative Technology (SU-ICEIT2016), Erbil, Iraq, 12-14 April 2016.
1. The 6th International Conference and Workshop on Basic and Applied Sciences (6th ICOWOBAS), 18–19 March 2017, Erbil, Kurdistan, Iraq.
2. First Arba'ello International Conference on Syriac and Sureth Language Studies (Documenting and Reviving a Mesopotamian Indigenous Language) September 10-12, 2017, Erbil (Iraq)
- 7.

Activity in National conferences:

3. 1st Scientific Conference on 4th Class Student Researches, 23 May 2011.
4. 2nd Scientific Conference on 4th Class Student Researches, 22 May 2012.
5. 3th Scientific Conference on 4th Class Student Researches, 25 May 2013.
6. 4th Scientific Conference on 4th Class Student Researches, 26 May 2014.
7. 5th Scientific Conference on 4th Class Student Researches, 23 May 2015.
8. 1st Scientific Conference on 4th Class Student Researches, Shaqlawa, 18 May 2011.
9. 7th Scientific Conference on 4th Class Student Researches, 24 May 2017.
10. International Conference on Capacity Building in Teacher Education and Research 2017, 28-29 August 2017.
11. 8th Scientific Conference on 4th Class Student Researches, 14 May 2018.

Teaching and advising:

- 1- General Physics, 1st stage student (Undergraduate) Department of Mathematic, College of Education, Salahaddin University-Hawler in Iraq
- 2- General Physics, 1st stage student (Undergraduate) Department of Biology, College of Education, Salahaddin University-Hawler in Iraq
- 3- General Physics, 1st stage student (Undergraduate) Department of Chemistry, College of Education, Salahaddin University-Hawler in Iraq
- 4- Sound and Wave motion, 2nd stage student (Undergraduate) Department of Physics, College of Education, University of Salahaddin Hawler-Iraq.
- 5- Research Methodology, 4th stage student (Undergraduate) Department of Physics, College of Education, University of Salahaddin Hawler-Iraq.
- 6- Academic Debates, 1st stage student (Undergraduate) Department of Physics, College of Education, University of Salahaddin Hawler-Iraq.
- 7- Assistance of Mechanics and Properties of Matter Lab. 1st stage student (Undergraduate) Department of Physics, College of Education, University of Salahaddin Hawler-Iraq.
- 8- Assistance of Electricity and Magnetism Lab. 1st stage student (Undergraduate) Department of Physics, College of Education, University of Salahaddin Hawler-Iraq.
- 9- Professional Supervisor of Illustration Lab. 4th stage student (Undergraduate) Department of Physics, College of Education, University of Salahaddin Hawler-Iraq.

10- Professional Supervisor of Illustration Lab. 4th stage student (Undergraduate) Department of Physics, College of Education (Shaqlawa city), University of Salahaddin Hawler-Iraq.

11- Supervisor of more than 45 projects of BSc students.

Membership in syndicates and unions:

- 1- Member of Kurdistan Blood Donors Group (KBDG) IRAQ, since 1990.
- 2- Member of Cultural & Social Center Of Salahaddin University- Hawler, 2002.
- 3- Member of Kurdistan Physicists Syndicate (KPS) IRAQ, since 2006.
- 4- Member of American Association for Science and Technology (AASCIT) 2017.
- 5- Member of Kurdistan Techers Union Syndicate (KTUS) IRAQ, since 2008.
- 6- Member of Kurdistan Physicists' Syndicate, 2010.
- 7- Member of Kurdistan Teachers' Union, 1997.
- 8- Member of Kurdistan University and Institute Teachers Syndicate, 2010.
- 9- Member of International Association of Computer Science and Information Technology (IACSIT) SINGAPORA, since 2014.
- 10- Member of Malaysian Solid State Science and Technology Society (MASS), MALAYSIA, since 2015.

Languages

- 1- Mother Tongue: Kurdish
- 2- Knowledge of other languages :
 - a) Arabic (Fluently)
 - b) English (Fluently)

Training Courses and workshops:

- 1- Training Course: MS-DOS, Youth Development Union, (1997).
- 2- Training Course: Word Perfect, Hamadawi computer center, (1997).
- 3- Training Course: MS-Office, Hamadawi computer center, (1998).
- 4- Training Course: Methods of Teaching, Salahaddin University-Hawler (2003).
- 5- Training Course: Computerizing University Lectures, Salahaddin University- Hawler (2011).
- 6- Training Course: Computer (ICDL) Skills, Salahaddin University- Hawler (2012).
- 7- Trainer Course: Computerizing Examination Committee's Documents, Salahaddin University- Hawler (2013).
- 8- Training Course: Virtual learning studio (VLS), Ibn Sina electronic learning center, Salahaddin University- Hawler (2013).
- 9- Training Course: English Language, Center of Language, Salahaddin University- Hawler (2013).
- 10- Workshop: Academic Debates, College of Management, 2012.
- 11- Workshop: Academic Debates, Culture center of Salahaddin University- Hawler, 2014.
- 12- Workshop: Endnote software, College of Education, Salahaddin University- Hawler, 2014.
- 13- Workshop: Plagiarism, Paraphrasing and Turnit, University Technology Malaysia, 2015.
- 14- Workshop: LATEX, University Technology Malaysia, 2015.

- 15- Workshop: Graduation Research Projects, College of Education, Salahaddin University- Hawler, 2015.
- 16- Workshop: Graduation Posters, College of Education, Salahaddin University- Hawler, 2015.
- 17- Workshop: University Website, College of Education, Salahaddin University- Hawler, 2015.
- 18- Workshop: 1st National Nanotechnology Workshop, 2017.
- 19- Workshop: Academic debits, 2015.
- 20- Workshop: Academic debits, 2017.
- 21- Workshop: Academic debits, 2018.