

## Curriculum Vitae

### Prof. Dr. Tariq Jaffar Alwan

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#### PERSONAL SUMMARY:

- An academic staff member at Mustansiriyah University, Baghdad, Iraq.
- Day of Birth: 1976
- Place of Birth: Baghdad, Iraq
- Nationality: Iraqi
- Address: Physics Department, College of Education, Mustansiriyah University
- Title: Professor

#### EDUCATION:

- Ph.D. In Material Science, “Synthesis of Nano-Conductive Polymer (PAni.CSA/PEO) Prepared by Electrospinning Technique for Solar Cells Application “, 2010-2015, Mustansiriyah University / College of Sciences / Department of Physics
- M.Sc. In Thin Films Science, “Density of States and Optical Constants For  $Ge_xTe_{1-x}$  Thin Films”, 1998-2001, University of Baghdad / College of Sciences / Department of Physics
- B.Sc. In General Physics, 1994-1998, University of Baghdad / College of Sciences / Department of Physics

#### ACADEMIC HONORS AND AWARDS:

Dates	6-April-2011
Name and type of organisation	From Minister of Higher Education and Scientific Research
Title of qualification awarded	Appreciation Certificate (on the occasion of (Science Day))
Dates	15-April-2012
Name and type of organisation	From Minister of Higher Education and Scientific Research
Title of qualification awarded	Appreciation Certificate (on the occasion of (Science Day))
Dates	30-Dec-2013
Name and type of organisation	From Minister of Higher Education and Scientific Research
Title of qualification awarded	Appreciation Certificate
Dates	18 - 4 - 2016
Name and type of organisation	From the Head of University / Mustansiriyah University
Title of qualification awarded	Appreciation Certificate
Dates	10 - 10 -2022 No. 2699 ع م
Name and type of organisation	From Minister of Youth and Sports
Title of qualification awarded	Thanks & Appreciation
Dates	7 - 11 -2022 No. 699 ج م
Name and type of organisation	From the Head of University / Mustansiriyah University
Title of qualification awarded	Thanks & Appreciation
Dates	23 - 11 -2022 No. 865
Name and type of organisation	The Dean of College/ College of Education)/ Al-Mustansiriyah University
Title of qualification awarded	Thanks & Appreciation

## ACADEMIC /TEACHING EXPERIENCE:

- 1: From 2001 to 2004 , External lecturer in laboratory of solid state physics for Undergraduate study and in the thin films laboratory for postgraduate study , University of Baghdad- College of Science - Department of Physics, Baghdad , Iraq
- 2: Form 2005 to 2008, Assistant Lecturer, Physics Department, College of Education, Mustansiriyah University. Baghdad, Iraq.
- 3: From 2008-2014, Lecturer, Physics Department, College of Education, Mustansiriyah University. Baghdad, Iraq.
- 4: From 2014- Present, Prof., Physics Department, College of Education, Mustansiriyah University. Baghdad, Iraq.

## COURSES TAUGHT:

Undergraduate	Graduate
1- Thermodynamics	1- Special topic
2- Educational laboratory	2- Methods of writing scientific research
3- Optics Laboratory	
4- Programming Laboratory	
5- Classical Mechanics	
6- Electricity Laboratory	
7- Electronic	

## PUBLICATIONS:

1. Tariq J. Alwan, (Structure and Optical Properties for Lead Chalcogenides), Journal of College of Education, No.1, P.423. Baghdad. Iraq, 2008
2. Kareem A. Jassim , Tariq J. Alwan , (The Effect of Simultaneous Substitution of Strontium at the Barium site of  $Tl_{0.6}Pb_{0.4}Ba_{2-x}Sr_xCa_2Cu_3O_{9-\delta}$  Superconductors) , J. Supercond. Nov. Magn. , Vol.22 , No.8, P. 861-865 , Springer, New York ,U.S.A , Nov. 2009
3. Kareem A. Jassim , Tariq J. Alwan , (Effect of Pressure on The Structural and Electrical Characteristics of  $Tl_{0.8}Sb_{0.2}Sr_2Ca_2Cu_3O_{9-\delta}$  Superconductors Prepared by Solid State Reaction Technique) The Proceeding of Materials Science & Technology Conference and Exhibition (MS&T'09), Vol.(4), P. 451- 460, ISBN:9781615676361, Pittsburgh, Pennsylvania, U.S.A , 2009
4. Tariq J. Alwan ,(Index Dispersion and Optical Properties of Dye Doped Polystyrene Films), Malaysian Polymer Journal (MPJ), Vol. 5, No. 2, P. 204-213, Malaysia , 2010
5. Tariq J. Alwan , Kareem A. Jassim , (The Influence of Annealing Temperature on Density of State , Electrical and Optical Properties of  $Ge_{0.2}Te_{0.8}$  Thin Films), The Proceeding of Materials Science & Technology Conference and Exhibition (MS&T'10), Vol.(4), P.2959-2967, ISBN:9781617820328, Houston ,Texas, U.S.A
6. Mushtak A. Jabbar, Tariq. J. Alwan , H.L. Mansour, H. A. Hasan, (Some Optical Parameters of PMMA Films Doped with  $CuSO_4$ ), The Proceeding of the 18th Scientific Conference for College of Education , Vol.(2), P. 344-348 , April 20-21, 2011 in Baghdad, Iraq.
7. Kareem A. Jasim , Tariq J. Alwan , H.K. Al-Lamy ,H.L. Mansour, (Improvements of Superconducting Properties of  $Hg_{0.6}Pb_{0.25}Sb_{0.15}Ba_2Ca_2Cu_3O_{8+\delta}$  Ceramic by Controlling the Sintering Time ) , J. Supercond. Nov. Magn. , Vol.24, No.6, P. 1963–1966, Springer, New York, U.S.A, August. 2011
8. Tariq J. Alwan (Gamma irradiation effect on the optical properties and refractive index dispersion of dye doped polystyrene films), Turk. J. Phys., Vol. 36, No. 3, P. 377 – 384, Turkish , 2012
9. Tariq J. Alwan, Kareema. M. Ziadan, Kadhum K. Kadhum, (The Effect of annealing on the structure of Alignment and Continuous Nanofibers fabrication via Electrospinning Technique), Nano Science and Nano Technology An Indian Journal, Vol. 8, No. 1, Pp. 22-26, 2013 , India
10. Muna M. Abbas, Tariq J. Alwan and Inaam M. Abdulmajeed, (Characterization and Optical properties of Lead doped Poly Vinyl Alcohol Films ) , journal of Kerbala University , Vol. 1 , No (The First Scientific Conference the Collage of Sciences), Pp. 30-36, 2013, Kerbala , Iraq
11. Wasan Adeeb Fadhil, Tariq J. Alwan, “Synthesis and Characterization of PANI/TiO<sub>2</sub> Nanocomposite Thin Films”, Proceedings of Researchfora International Conference, International Conference on Advanced Energy Materials and Research - ICAEMR, Brisbane, Australia, 8th - 9th February, 2021

12. Wasan Adeeb Fadhil, Tariq J. Alwan, "Synthesis and Characterization of PANI/TiO<sub>2</sub> Nanocomposite Thin Films", International Journal of Advances in Science Engineering and Technology, Vol. 9, No. 2, Apr.-2021.
13. Wasan Adeeb Fadhil, Tariq J. Alwan," Study The Effect of HCl Molarity on X-rad diffraction spectra and Optical Properties of Pani/TiO<sub>2</sub> Nanocomposite Thin Films" GESJ: Physics, No.1(25), pp.12-18, 6-7-2021, Georgia
14. Sura S. Mohammed, Tariq J. Alwan, "Effect of HCL Molarity on the Properties of PANI/MgO Nanocomposite Thin Films" Journal of Physics: Conference Series, Vol. 1963, pp: 1-6 (2021)
15. Wasan Adeeb Fadhil, Tariq J. Alwan," Effect of TiO<sub>2</sub> on the optical properties of PANI:TiO<sub>2</sub> nanocomposite thin films", Journal of College of Education, No.4, pp.13-17. Baghdad. Iraq, Dec. 2021.
16. Fatima .S. Jalli, Tariq J. Alwan , Noora Jassim Mohmmmed, "Preparation and study the properties of PEG/Zn(ext)<sub>2</sub> thin films prepared by a spin coating method", Journal of the College of Basic Education, Vol. 114, No. 28, P. 454-462, Baghdad-Iraq , 2022

## PROFESSIONAL DEVELOPMENT

1. Materials Science & Technology Conference and Exhibition (MS&T09) , October 25-29, 2009, Pittsburgh, Pennsylvania , U.S.A
2. Kufa's First Conference for Physics , October 7-6 ,2010 , University of Kufa , Iraq
3. Materials Science & Technology Conference and Exhibition (MS&T010) , October 17-21, 2010, Texas, Houston, U.S.A
4. The 19th Scientific Conference for College of Education, April 25-26, 2012, Al-Mustansiriyah University, Baghdad, Iraq.
5. The Fifth International Scientific Conference (University of Babylon – College of Basic Education, November 13-14, 2012 ,Babylon, Iraq
6. The First Scientific Conference of College of Sciences /Kerbala University, March. 13-14, 2013 , Kerbala, Iraq
7. The Second National Conference of Chemistry, Sciences Faculty for Girls, Baghdad University. 21-22 , Dec, 2015
8. International Conference on Advanced Energy Materials and Research - ICAEMR, Brisbane, Australia, 8th - 9th February, 2021
9. 2nd International Conference on Physics and Applied Sciences (ICPAS), College of Education, Mustansiriyah University, Baghdad, Iraq ,26-27 MAY, 2021.
10. International conference, Technologies and Materials for Renewable Energy, Environment and Sustainability "TMREES22-Fr. Metz, France, 09 to 11 May, 2022.