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1- B.Sc., physics, College of Education, Mosul university, Iraq 1993.

2- M.Sc., solid state physics(theory), College of science, Mosul. university, Iraq , 2005

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**Published researches:**

- 1- AL-Sheikh A.M. and Abdullah I.Y." Evaluation of Energy Level for Vanadium V<sup>2+</sup> Doped GaAs Using Theoretical Model of Orthorhombic Strain"(2005) J. Education and Sci.
- 2- Fakralden J.A and Abdullah I.Y." Theoretical Study of Some "Thermodynamical Properties For Solid Under High Pressure Using Finite-Strain EOS" Journal of the Association of Arab Universities for Basic and Applied Sciences- 2012.
- 3- Ibtisam Y. Alkammash. "Evaluation of pressure and bulk modulus for alkali halides under high pressure and temperature using different EOS" Journal of the Association of Arab Universities for Basic and Applied Sciences (2013) 14, 38–45.
- 4- Abdullah, I.Y., Yahaya, M., Haji Jumali, M. H., Shanshool, H.M. 2016. Influence of the Substrate on the Crystalline Phase and Morphology of Poly (Vinylidene fluoride) (PVDF) Thin Film. Surface Review and Letters.23 (3): 1650005 (1-8).
- 5- Abdullah, I.Y., Yahaya, M., Haji Jumali, M. H., Shanshool, H.M. 2016. Enhancement piezoelectricity in Poly (Vinylidene Fluoride) by Filler Piezoceramics Lead-Free Potassium Sodium Niobate (KNN). Optical and Quantum Electronics. 48(2): 149 (1-9).
- 6- Shanshool, H.M., Yahaya, M., Yunus, W.M.M. and Abdullah, I.Y. 2015. Measurements of Nonlinear Optical Properties of PVDF/ZnO Using Z-Scan Technique. Brazilian Journal of Physics, 45(5):538-544.
- 7- Shanshool, H.M., Yahaya, M., Yunus, W.M.M. and Abdullah, I.Y. 2016. Third order nonlinearity of PMMA/ZnO nanocomposites as foils. Optical and Quantum Electronics. 48(1):1-14.
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- 9- Shanshool, H.M., Yahaya, M., Yunus, W.M.M. and Abdullah, I.Y.2016. Investigation of Energy Band Gap in Polymer/ZnO Nanocomposites. Journal of Materials Science: Materials in Electronics. 27(9): 9804–9811.
- 10- Shanshool, H.M., Yahaya, M., Yunus, W.M.M. and Abdullah, I.Y.2016. Influence of polymer matrix on nonlinear optical properties and optical limiting threshold of polymer-ZnO nanocomposites. Journal of Materials Science: Materials in Electronics. 27(9).
- 11- Shanshool, H.M., Yahaya, M., Yunus, W.M.M. and Abdullah, I.Y. 2017. Influence of CuO nanoparticles on Third Order Nonlinearity and Optical Limiting Threshold of Polymer/ZnO Nanocomposites. Optical and Quantum Electronics. 49(18).
- 12- Ibtisam Yahya Abdullah, Muhammad Yahaya, Mohd Hafizuddin Haji Jumali, Haider Mohammed Shanshool. INFLUENCE OF TEMPERATURE ON CRYSTALLINE STRUCTURE OF POLYVINYLLIDENE FLUORIDE. International Journal of Technical Research and Applications e-ISSN: 2320-8163, www.ijtra.com Special Issue 23 (June-July 2015): 46-50
- 13- Ibtisam Yahya Abdullah, Mohammad Hafizuddin Haji Jumali, Muhammad Yahaya, Haider Mohammed Shanshool. Facile Formation of  $\beta$  Poly (vinylidene fluoride) Films using the Short Time Annealing Process. Advances in Environmental Biology, 9(20) Special 2015: 20-27
- 14- Ibtisam Yahya Abdullah, Muhammad Yahaya, Mohd Hafizuddin Haji Jumali, Haider Mohammed Shanshool. Effect of annealing process on the phase formation in Poly(vinylidene fluoride) Thin Films. 2014 UKM FST Postgraduate Colloquium: Proceedings of the Universiti Kebangsaan Malaysia, Faculty of Science and Technology 2014 Postgraduate Colloquium.10th – 11th April 2014: 147-151.S
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