

# IRAQI JOURNAL OF APPLIED PHYSICS

## Volume (19) Issue (3B) September 2023

### CONTENTS

About Iraqi Journal of Applied Physics (IJAP)	1
Instructions to Authors	2
Measurement of Uranium and Radon Concentrations in Wells Water Samples of Some Farms near the Mosul City in Iraq Malik H. Kheder, Hanaa N. Azeez, Mushtaq A. Al-Jubbori	3-8
Indoor Radon Measurements in Some Nineveh Plain Region Homes Using a Small Container with CR-39 Detector Hanaa N. Azeez, Rajaa A. Basheer, Malik H. Kheder	9-14
Radium and Uranium Concentrations in Some Fruits and Vegetables Cultivated in Nineveh Governorate, Iraq Malik H. Kheder	15-19
Determining the Optimal Direction and Angle of Incidence of Solar Radiation to Obtain Electrical Energy from Solar Panels in the Nineveh Plain Area Ban A. Badr, Rajaa A. Basheer, Malik H. Kheder, Hanaa N. Azeez	20-24
Effect of Laser Frequency on Nonlinear Optical Properties of ZnO Thin Films Tharaa J. Polus, Thoalfiqar A. Zaker, Hala N. Mohammed	25-29
Determination of Mass and Linear Absorption Coefficient for Some reinforced polymeric materials from X-Ray Characteristics Lubna H. Ismael, Ghazwan G. Ali, Raad A. Rasool	30-34
Influence of Light Intensity and Irradiation Time on Efficacy of Polymerization Temperature Using Diode Laser and Light-Emitting Diodes Muna Y. Slewa, Rajaa A. Basheer, Malik H. Kheder, Balsam W. Jarjees	35-38
Effect of Laser Power on Optical Properties of CN-85 Nuclear Track Detector Malik H. Kheder, Thoalfiqar A. Zakar, Ahmed T. Abdulhameed, Mushtaq Abed Dawood	39-42
Effect of Substrate and Annealing Temperature on Hall Effect and Activation Energy of CuISe <sub>2</sub> Compound Muayyad N. Fathula, Azhaar A. Ali, Muna Y. Slewa	43-46
Study the Effect of Molar Concentrations on the In <sub>2</sub> S <sub>3</sub> /Si Photodetector Performance Kawkab D. Salim, Niran F. Jabar	47-50
Iraqi Journal of Applied Physics (IJAP) Copyright Release Form	51
Contents	52