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Title: OPTICAL CHARACTERIZATION OF ZINC
SELENIDE/GRAPHENE OXIDE COMPOSITE
SYNTHESIZED VIA MICROWAVE-ASSISTED
HYDROTHERMAL METHOD



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**OPTICAL CHARACTERIZATION OF ZINC SELENIDE/ GRAPHENE OXIDE COMPOSITE
SYNTHESIZED VIA MICROWAVE-ASSISTED HYDROTHERMAL METHOD**

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Keywords: Microwave-assisted Hydrothermal; Nanoparticles; Zinc Selenide/ Graphene Oxide Composite; Optical Band Gap

Abstract: Zinc selenide/ Graphene Oxide (ZnSe/GO) composite has been synthesized via microwave-assisted hydrothermal method. The microwave-assisted hydrothermal reaction only take 3 minutes and it is approximately 500 times faster as compared to the conventional method which need 24 hours. The ZnSe/GO composite formed was characterized using X-ray

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