

BIODATA



Name : Dr.SHAHEERA.M

Designation : Assistant Professor
(Contract)

Department : Physics

Address : Falak Manzil ,
Thekkumpuram , Melarcode P O , Alathur ,
Palakkad- 678703

Mobile No : 9495447336

E Mail :
kcmshahi@gmail.com

Academic Qualification: PhD Mphil MSc
B.Ed Physics

Experience:

- Teaching : 7 years
- Research: six months

Area of Interest/ specialisation: Metal Oxide nanostructures for gas sensing and light emission applications

Area of Research : Material Science

Major/Minor Research Projects: Nil

Responsibilities Undertaken(Official) : Nil

Seminars Organised/ Invited Lectures : Nil

Publications in Journals (Numbers)(Title with page No, Journal, ISSN/ISBN No whether peer reviewed no. of co-authors) :

1. K.G.Girija, Shaheera. M and K. Somasundaram, "Corelating the properties of RF sputtered ZnO nanocrystalline films deposited using sintered and powdered targets "Nano-Structures & Nano-Objects 26 (2021) 100758

<https://doi.org/10.1016/j.nanoso.2021.100758>

2. S. Kailasa Ganapathi, Manmeet Kaur, Shaheera.M, Ankita Pathak, S.C. Gadkari and A.K. Debnath, "Highly sensitive NO₂ sensor based on ZnO nanostructured thin films prepared by SILAR technique" Sensors and Actuators: B. Chemical, 335 (2021) 129678

<https://doi.org/10.1016/j.snb.2021.129678>

3. Shaheera M., K. G. Girija, Manmeet Kaur, V. Geetha, A. K. Debnath, R. K. Vatsa, K. P. Muthe, and S. C.Gadkari, "Creation of multiple defect states in RF sputtered li doped ZnO nanocrystalline thin films", Chemical Physics Letters 758 (2020) 137951,

<https://doi.org/10.1016/j.cplett.2020.137951>

4. Shaheera M., K. G. Girija, Manmeet Kaur, V. Geetha, A. K. Debnath, R. K. Vatsa, K. P. Muthe, and S. C.Gadkari "Characterization and device application of indium doped ZnO homojunction prepared by RF magnetron sputtering" Optical Materials 101 (2020) 109723

<https://doi.org/10.1016/j.optmat.2020.109723>

5. Shaheera M., K. G. Girija, Manmeet Kaur, V. Geetha, A. K. Debnath, R. K. Vatsa, K. P. Muthe, and S. C. Gadkari, "Elucidation of structural, morphological, optical and photoluminescence properties of single and (In, Ga) co-doped ZnO nanocrystalline thin films". Bull. Mater. Sci. (2019) 42:266

<https://doi.org/10.1007/s12034-019-1945-7>

6. Shaheera M., K. G. Girija, Manmeet Kaur, V. Geetha, A. K. Debnath, R. K. Vatsa, K. P. Muthe, and S. C. Gadkari, "Influence of P content on the structural and physical properties of P-doped ZnO nanocrystalline thin films synthesized by RF magnetron sputtering" AIP Conference Proceedings 2082, 040007 (2019);

<http://doi.org/10.1063/1.5093859>

7. Shaheera M., K. G. Girija, Manmeet Kaur, V. Geetha, A. K. Debnath, Malvika Karri,

Manoj Kumar Thota, R. K. Vatsa, K. P. Muthe, and S. C. Gadkari , “Synergistic effect of indium and gallium co-doping on the properties of RF sputtered ZnO thin films”, AIP Conference Proceedings 1942, 080054 (2018);
<http://doi.org/10.1063/1.5028888>

Paper Presentations(Number) : 5

Seminars Attended : International(No) : 5

National

State level

Books Published (Title with page No, book title, editor and publisher ISSN/ISBN no. whether peer reviewed no. of co-authors) :
Nil

Articles Published in Magazines (Title with page No editor and publisher ISSN/ISBN no. whether peer reviewed no. of co-authors) :
Nil

Membership in Professional Bodies : Nil

Honours and Awards : Nil