

IDHAYA COLLEGE FOR WOMEN
AROCKIA NAGAR, SARUGANI, SIVAGANGA DIST- 630 411

FACULTY PROFILE

Department: Physics

- 1. Name** : Dr. S. J. Helen
- 2. Husband name** : S. Britto Raj
- 3. Educational Qualification** : M.Sc., B.Ed., Ph.D.,
- 4. Designation** : **Assistant Professor**
Department of Physics
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- 5. Teaching Experience** : 1 Year
- 6. Date of Birth** : 27.04.1988
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Timber Road, Near LIC, Paramakudi-623707.
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- 9. Area of Specialization** : Thin films
- 10. Publications**

S.No.	Title	Name of the Journal	ISSN No.	Year
1.	Improved physical properties of Spray Pyrolysed Al: CdO Nanocrystalline Thin Film	Journal of material sciences: Materials in electronics	JMSE-D-15-02431	2015
2.	Improved Properties of Spray Pyrolysed CuO Nanocrystalline Thin Films	Journal of material sciences: Materials in electronics	JMSE-D-16-02431	2016
3.	Influence of precursor concentration on the properties of spray deposited CdO thin films	AIP Conference Proceedings	AIP Conference Proceedings 1665, 120016 (2015)	2014

4.	Effect of Zinc Doping on CdO Thin Films Prepared by Spray Pyrolysis Technique	International Journal of Science and Research (IJSR)	ISSN (Online): 2319- 7064	2017
5.	Effect of Al Doping on Structural, Optical, Electrical and Photocatalytic Properties of CuO Nanoparticles	International Journal of Science and Research (IJSR)	ISSN: 2455-3344	2017
6.	Effect of Mo doped CdO thin films using Spray pyrolysis technique	Journal of electronic materials	Journal of electronic materials	2018

11. Presentations In Conferences:

1. “Effect of solution concentration change on structural, morphological and optical properties of CdO thin films using spray pyrolysis”, **S. J. Helen**, Suganthi Devadason, and T. Mahalingam, National conference on Nanophotonics , Bharathidasan University, Trichy. March 6&7,2014.
2. Effect of Zinc doped CdO thin films prepared by spray pyrolysis. **S. J. Helen**, Suganthi Devadason, and T. Mahalingam, National Conference on advanced Technology Oriented Materials-2014 Present paper on 8th and 9th December.
3. Influence of Mo doped change on the properties of spray pyrolysed CdO thin films. **S.J.Helen**, Suganthi Devadason, T.Mahalingam, International conference on Nanomaterials for Frontier applications (ICNFA- 2015) Dec 2 - 3, 2015, CIT, Coimbatore.
4. “Influence of precursor concentration on the properties of spray deposited CdO thin films” **S.J.Helen**, Suganthi Devadason, T.Mahalingam, 59th DAE Solid State Physics Symposium, Dec 16-20, 2014. VIT, Vellore.
5. “ Effect of fluorine doped CdO thin films using spray pyrolysis technique” S.J. Helen International Conference on Nanomaterials and their applications Dr. Umayal Ramanathan College for 11 – Women,12 September 2018 Karaikudi

12. Workshop

Workshop Cum Hands – On- Training on “ Materials Synthesis & Characterization” Served as instructor and demonstrator for the research equipments held on 2nd February 2016 and 10 may 2016 Department of Physics at Karunya University.