

<b>Brief Profile</b>		
<b>Name</b>	:	<b>Dr. Rahul</b>
<b>Date of Birth</b>	:	<b>22-11-1986</b>
<b>Educational Qualification</b>		
• <i>Ph.D.</i>	:	<b>Awarded</b>
• <i>M.Tech</i>	:	
• <i>B.Tech</i>	:	
<b>Work Experience</b>		
• <i>Teaching</i>	:	<b>7 Years</b>
• <i>Research / Industry</i>	:	<b>5 Years</b>
<b>E-mail ID</b>	:	<b>rahul.physics@miet.ac.in</b>
<b>Contact No.</b>	:	<b>9598991212</b>
<b>Area of Interest</b>	:	<b>Nano science &amp; Nano technology</b>
<b>Teaching</b>		
• <i>Subjects Taught at UG Level</i>	:	<b>Engineering Physics.</b>
• <i>Subjects Taught at PG Level</i>	:	<b>Solid State Physics, Electronics, Statistical Physics</b>
<b>Research Guidance</b>		
• <i>B.Tech</i>	:	<b>Nil</b>
• <i>M.Tech</i>	:	
• <i>Ph.D.</i>	:	
<b>Research Publications</b>		
• <i>Journals</i>	:	<b>11</b>
• <i>Conferences</i>	:	<b>03</b>
• <i>Book Chapters</i>	:	
<b>Patent/IPR (Books Published etc.)</b>	:	<b>Nil</b>
<b>No. of National/International Conferences attended/ Paper Presented</b>	:	<b>03</b>
<b>No. of Conferences Organized</b>	:	<b>Nil</b>
<b>STC/FDP/Seminars/Workshops Organized</b>	:	<b>Nil</b>
<b>STC/FDP/Summer/Winter Schools/Workshops /Seminars attended</b>	:	<b>05</b>
<b>Certification Courses (NPTEL etc.)</b>	:	<b>Nil</b>

<b>Memberships of the Professional Societies</b>	:	Material Research Society of India International association of engineers
<b>Awards/Honors</b>	:	<b>Nil</b>
<b>Funded Project</b>	:	
<b>Name of Project</b>	<b>Funding Agency</b>	<b>Duration</b>
<b>Any other relevant Information</b>	:	

## LIST OF PUBLICATIONS

### Journal:

- **Rahul**, Thickness-dependent structural, electrical and optical properties of ZnS thin films deposited by thermal evaporation, *Ukr. J. Phys.*, Vol. 62(5), 422-431, doi: 10.15407/ujpe62.05.0422 (2017).
- **Rahul** & A Sahoo, Effect of annealing on structural, electrical and optical properties of thermally evaporated ZnS thin films, *Journal of Advanced Physics*, Vol.6, 274-278, doi:10.1166/jap.2016.1331 (2017).
- **Rahul**, Effect of substrate temperature on ZnS films prepared by thermal evaporation technique, *J. Theor. Appl. Phys.*, Vol.9 (3), 185-192, doi: 10.1007/s40094-015-0177-5 (2015).
- S R Vishwakarma, A Kumar, R S N Tripathi, **Rahul** & S Das, Fabrication and characterization of n-InSb thin film of different thickness, *Indian Journal of Pure & Applied Physics*, Vol.51, 260-266 (2013).
- **Rahul**, A K Verma, R S N Tripathi & S R Vishwakarma, Effect of substrate temperature on the electrical and optical properties of electron beam evaporated Indium Antimonide thin films, *Material Science-Poland*, 30(4) 375-381, doi: 10.2478/s13536-012-0044-x (2012).
- **Rahul**, A K Verma, R S N Tripathi & S R Vishwakarma, Electrical and optical characterization of electron beam evaporated indium antimonide thin films, *Natl. Acad. Sci. Lett.*, 35(5): 367-372, doi: 10.1007/s40009-012-0060-8(2012).
- S R Vishwakarma, R S N Tripathi, A K Verma & **Rahul**, Study of n-type InSb thin films grown on glass substrate by electron beam evaporation technique, *Proc. Natl. Acad. Sci., India, Sect. A Phys. Sci.*, 82(1) 245-249, doi: 10.1007/s40010-012-0031-y (2012).
- S R Vishwakarma, A K Verma, R S N Tripathi, S Das & **Rahul**, Study of structural property of n-type indium antimonide (InSb) thin films, *Indian Journal of Pure & Applied Physics*, Vol.50, 339-346 (2012).
- **Rahul**, A K Verma, R S N Tripathi & S R Vishwakarma, Optical Characterization of Electron Beam Evaporated Indium Antimonide Thin Films, *The African Review of Physics*, 7: 0045, 383-388 (2012).

- **Rahul**, A K Verma, R S N Tripathi & S R Vishwakarma, Influence of deposition rate on the electrical and optical properties of electron beam evaporated InSb thin films, *Armenian Journal of Physics*, Vol. 5(2) 86-94(2012).
- **Rahul**, S R Vishwakarma, R N Tripathi and A K Verma, Structural characterization of electron beam evaporated Indium Antimonide thin film, *The African Review of Physics* **6**:0012, 103-110 (2011).

## Books / Book Chapters: Nil

## Conferences:

- R N Tripathi, A K Verma, **Rahul** & S.R. Vishwakarma, Structural and Optical Properties of  $\text{Cd}_{1-x}\text{Se}_x$  Thin Films Deposited by Electron Beam Evaporation technique, *Optics: Phenomena, Materials, Devices, and Characterization*, *AIP Conf. Proc.*, 1391, 761-763, doi: 10.1063/1.3643672 (2011).
- A K Verma, R N Tripathi, **Rahul** & S.R. Vishwakarma, Comparative Electrical Study on n-Type  $\text{Cd}_{1-x}\text{Se}_x$  and CdSe Films Deposited by Electron Beam Evaporation, *Optics: Phenomena, Materials, Devices, and Characterization AIP Conf. Proc.*, 1391, 740-742, doi: 10.1063/1.3643665 (2011).
- **Rahul**, S R Vishwakarma, A K Verma & R N Tripathi, Study the Effect of Substrate Temperature on Structural & Electrical Properties of Electron Beam Evaporated  $\text{In}_{1-x}\text{Sb}_x$  Thin Film, *Optics: Phenomena, Materials, Devices, and Characterization AIP Conf. Proc.*, 1391, 758-760, doi: 10.1063/1.3643671 (2011).