


## Curriculum Vitae

<b>Full Name</b>	Dr. Dilip Kumar Meena			
<b>Designation</b>	Assistant Professor			
<b>Department</b>	Physics			
<b>Campus</b>	SRT Campus, Tehri			
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<b>Mobile</b>	8745889213, 6377427768			
<b>Email</b>	dilip.physics1212@gmail.com			
<b>Education Qualification</b>	<b>M.Sc. (2018), IIT Ropar</b> <b>Ph.D. (2023) IISc Bangalore</b>			
<b>Teaching Experience</b>	1 Year	<b>Research Experience</b>	5 Years	
<b>Areas of Interest/ Specialization</b>				
1. Experimental Condensed Matter Physics 2. Thermoelectric Materials				
<b>Research Supervision (No. of Ph.D. Degree Awarded/ Registered)</b>				
None				
<b>Research Projects/ MoU undertaken</b>				
None				
<b>Administrative Experience</b>				
1. Worked as a committee member during the student council election in 2022, and 2023 at SRT Campus Tehri. 2. Worked as a committee member in the admission of 1 <sup>st</sup> and 5 <sup>th</sup> sem of the academic year 2022-23. 3. Worked as a committee member in the admission of the 5 <sup>th</sup> sem of the academic year 2023-24. 4. Worked as a committee member in the admission of the M.Sc. Physics of the academic year 2022-23, 2023-24. 5. Working as a <b>Proctorial board member</b> in the academic year 2023-24.				
<b>Conference/Symposium/Workshop Attended during last five years.</b>				
<b>International</b>				
1. Given an <b>Oral Presentation</b> at a Conference on “Effect of Melt Solidification Rate on Structural and Thermoelectric Transport Properties of Sb <sub>2</sub> Te <sub>3</sub> /Te Nanocomposite” at the <b>International Conference on Radiation Awareness and Detection in Natural Environment</b> , March 02-04, <b>2023</b> .				

### National

1. Given an **Oral Presentation** on “Effect of Melt Solidification Rate on Structural and Thermoelectric Transport Properties of Sb<sub>2</sub>Te<sub>3</sub>/Te Nanocomposite” at the **International Virtual Conference on Thermoelectric**, July 20-22, **2021**.
2. Given a **Poster Presentation** on “Single Crystal Growth and Characterization of Topological Weyl Semimetal MoTe<sub>2</sub>” at Research Conclave **2018** at IIT, Ropar.

### Conference/Symposium/Workshop Organized during last five years

1. Successfully **organized a seminar** entitled “**Role of Scientific Temper of Society Towards Sustainable Development**” from 28 Feb. 2023 to 1 March **2023**.

### Research Publications 2017 onwards

#### Journals

1. **Dilip Kumar Meena**, Rapaka S. C. Bose, **A. M. Umarji**, D Arvindha Babu, Polymer-mixed Sb<sub>2</sub>Te<sub>3</sub>/Te nanocomposites exhibiting p-type to n-type conduction reversal and thermal conductivity reduction, *Material Research Express* **10** (**2023**) **074001**.
2. **Dilip Kumar Meena**, Rapaka S C Bose, K. Ramesh, Melt Solidification Rate-Dependent Structural and Thermoelectric Properties of Sb<sub>2</sub>Te<sub>3</sub>/Te Nanocomposites, *Journal of Alloys and Compounds* **902** (**2022**) **163767**.
3. **Dilip Kumar Meena**, Rapaka S C Bose, S. Vinoth, K. Annapurna, K. Ramesh, Impact of Melt Solidification Rate on Structural and Thermoelectric Properties of n-type Bi<sub>2</sub>Te<sub>3</sub> Alloy, *Applied Physics A* (**2022**) **128:528**.
4. Rapaka S C Bose, **Dilip K M**, Paolo Mele, and K Ramesh, Role of grain alignment and oxide impurity in thermoelectric properties of textured n-type Bi–Te–Se alloy, *J. Phys. D: Appl. Phys.* **54** (**2021**) **235503**.
5. K. Deva Arun Kumar, **Dilip K. Meena**, Rapaka S.C. Bose, Ramcharan Meena, Prashantha Murahari, Paolo Mele, K. Ramesh, Optical and thermoelectric properties of Sb<sub>2</sub>Te<sub>3</sub>/ZnTe nanostructured composites, *Journal of Alloys and Compounds* **865** (**2021**) **158621**.

#### Books

1. **Dilip Kumar Meena**, K. Deva Arun Kumar, **Low Thermal Conductivity of n-Type ZnTe Thermoelectric Alloy Prepared by Facile Top-Down Process**, ISBN: 978-1-80433-962-6 "Advances in Applied sciences (*Rubicon Publication*)" reference No. RC 23-22 (**2023**).

**Total Number of Research Publications: 6**

**Total Citation (23), h-index (4) (Google Scholar)**