

Name : Dr. J. Bhavani



Qualification : M.Sc., M.Phil., Ph.D.
Designation : Assistant Professor
Years of Experience: 17
Previous Experience: Nil
Area of Specialization: Solid State Physics
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CONFERENCES AND WORKSHOPS ATTENDED / PRESENTED PAPER

S.no.	Organized by	State/National/International	Participated/Presented	Title	Date(s)
Dr.J. Bhavani					
1	SSN College	International	Presented	Structural and Electronic Properties of Cu ₂ -II-IV-VI ₄ Quaternary Semiconductors Using PBE-GGA and TB-mBJ Potentials	2019
2	Alpha Arts and Science College	International	Presented	First Principles of Structural, Electronic and Optical properties of full Heusler Compound Ni ₂ MnZ (Z=Al, In, Ga)	2021
3	SSN College for Engineering	International	Presented *	a,b – Initio Study of Structural, Electronic and Optical properties of full Heusler Compound Co ₂ MnZ (Z=Si, Ge) using Wien2k Code	2021
4	SSN Institutions	International	Presented	a,b – Initio Study of Structural, Electronic and Optical properties of half Heusler Compound XMnSb (X=Co, Rh) using Wien2k Code	2021
5.	Alpha Arts and Science College	International	Presented	Ab-initio study of structural and electronic properties of KCaX (X=P,As) using wien2K code	2021
	Alpha Arts and Science	International	Presented	Ab-initio study of	

6.	College			structural and electronic properties of ScNiX (X= Ga,In) using wien2K code	2021
7.	KSR Institute of Engineering and Technology	International	Presented	Ab-initio study of structural and electronic properties of ZnS and CaGaS ₂ of group (II – VI) (I – III- VI) and Gap and CdSnAs ₂ of group (III –V), (II-IV-V) using GGA and mBj approximation with wien2k code	2021
8.	Department of Theoretical Physics, University of Madras Texas Christian University, Department of Physics and Astronomy, USA Kanagawa Institute of Industrial Science and Technology, Japan	International	Presented	First Principle Calculations of Structural and Electronic Properties of Quaternary Semiconductor Cu ₂ ZnSnSe ₄	2022

JOURNAL PUBLICATIONS

S.NO.	JOURNAL NAME	UGC /SCI/SCIE/ WOS	ISBN / ISSN NUMBER	REFERENCE	DATE OF PUBLICATION/D OI
Dr.J. Bhavani					
1	International Journal of Scientific Research in Physics and Applied Sciences	UGC	ISSN 2348 – 3423		2019
2	International Journal of Materials, Mechanics and Manufacturing	WOS	ISSN: 1793 - 8198		2019
3	Wesleyan Journal of research	UGC	ISSN: 0975-1386		2019

4.	Journal of Physics, Mathematics and statistics		ISSN 2393-8064		2021, October 8 , 153-165
5.	ANVESAK	UGC	ISSN : 0378 – 4568		July – December 2021 Vol. 51, No.2(XII), Page No. 43
6.	ANVESAK	UGC	ISSN : 0378 – 4568		July – December 2021 Vol. 51, No.2(XII), Page No. 76

FDP/STTP ATTENDED

S.no.	Organized by	State/National/International	Topic	Date(s)
Dr. J. Bhavani				
1.	Chevalier T. Thomas Elizabeth College for Women (IQAC) and CSIR – Institute of Minerals and Materials Technology	National	Innovation and Intellectual Property Rights	04.10.21 to 10.10.21
2.	Ethiraj College for Women (IQAC)	National	Recasting from Onsite to Online Pedagogy	20.07.2020 to 24.07.2020

ACHIEVEMENTS

1. **Appointed by State Council of Educational Research and Training as resource person for higher secondary teachers held in Sri Sairam Engineering College, Tambaram, from 13th and 14th of December 2018.**
2. **Selected by State council of Educational Research and Training as content reader of XII th Physics Volume I from 9th and 10th of January 2019.**
3. **Member of BOS (2020-2021) – Department of Physics (SS), JBAS, Chennai**