CONTACT

DR. VIVEK KUMAR JAIN

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8824670200

Flat 102, Podar Campus Nawalgarh

OBJECTIVE

I seek challenging opportunities where I can fully use my skills for the success of the organization.

EXPERIENCE

1/10/2020 - Till

- **Seth Gyaniram Banshidhar Podar College Nawalgarh Jhunjhunu Rajasthan**
  Assistant Professor in Physics
  Admission Councling, Examination Coordinator

1/7/2019 - 30/04/2020

- **Biyani Girls College Jaipur Rajasthan**
  Assistant Professor in Physics
  Admission Councling, Examination Coordinator

12/7/2018 - 20/5/2019

- **Hans PG College Kotputli Rajasthan**
  Assistant Professor in Physics
  Examination Incharge, Admission Councling

31/08/2010 - 30/07/2013

- **Swami Keshwanand Institute of Technology, Management and Gramothan Jaipur Rajasthan**
  Assistant Professor in Physics
  Examination Coordinator, Student Counsellor

1/3/2010 - 30/8/2010

- **Poornima College of Engineering Jaipur Rajasthan**
  Assistant Professor in Physics
  Admission Councling, Examination Coordinator

EDUCATION

2018

- **Mohanlal Sukhadiya University Udaipur Rajasthan**
  Ph.D.

2010

- **Maharshi Dayanand Saraswati University Ajmer Rajasthan**
  M.Sc.
  60.90%

2007

- **Maharshi Dayanand Saraswati University Ajmer Rajasthan**
  B.Sc.
  63.95%

2004

- **Government Senior Secondary School Bhensroadgarh**
  Senior Secondary
  69.08%

2002

- **Government Senior Secondary School Bijoliya**
  Secondary (10)
  74.83%

SKILLS

- Leadership
- Team Building

PUBLICATION

- **Electronic Structure, Elastic, Magnetic and Optical Properties of Fe2MnZ (Z = Si, Ge, Sn) Full Heusler Alloys: First Principle Calculations.**
  Authos: Vivek Kumar Jain, N. Lakshmi, Rakesh Jain & Aarti R. Chandra
  Journal of Superconductivity and Novel Magnetism, 32, pages739–749, (2019)
- **Electronic structure, magnetic and optical properties of quaternary Fe2−xCoxMnAl Heusler alloys.**
  Authors: Vivek Kumar Jain, N. Lakshmi, Rakesh Jain, Vishal Jain, Aarti R. Chandra & K. Venugopalan
  Journal of Materials Science, 52, 6800-6811, (2017).
- **Induced spin polarization in Fe2VAl by substitution of Co at Fe site.**
  Authors: Vivek Kumar Jain, Vishal Jain, N. Lakshmi, Aarti R. Chandra & K. Venugopalan.
  Computational Materials Science, 108, 56-61, (2015).
- **Stability of Half-Metallic Behavior with Lattice Variation for Fe2MnZ (Z=Si, Ge, Sn) Heusler Alloys.**
  Authors: Vivek Kumar Jain, N. Lakshmi & Rakesh Jain
  AIP conference proceedings, 1953(1), 110007, (2018).
- **Stability of Half-Metallic Behavior with Lattice Variation for Fe2-xCoxMnAl Heusler Alloys.**
  Vivek Kumar Jain, N. Lakshmi & Rakesh Jain
  AIP conference proceedings, 1942, 090010, (2018).
- **High energy ball milling study of Fe2MnSn Heusler alloy.**
  Vivek Kumar Jain, N. Lakshmi, Vishal Jain, Sijo, A. K., & K. Venugopalan
  AIP Conference Proceedings, 1665, 130032 (2015).
- **Ab initio study of Fe2MnZ (Al, Si, Ge) Heusler alloy using GGA approximation.**
  Vivek Kumar Jain, Vishal Jain, N. Lakshmi, & K. Venugopalan
  AIP Conference Proceedings, 1591, 1130-1132, (2014).
- **First Principle Electronic Structure of Co2FeAl (100) on GaAs (100) Substrate.**
  Authors: Vivek Kumar Jain, Vishal Jain, N. Lakshmi, & K. Venugopalan
  Quantum Matter, 5(3), 319-321, (2016).
- **Electronic structure and magnetic properties of disordered Co2FeAl Heusler alloy.**
  Authors: Vishal Jain, Vivek Kumar Jain, V. D. Sudheesh, N. Lakshmi, & K. Venugopalan
  AIP Conference Proceedings, 1591, 1544-1545, (2014).
- **First principle calculation in FeCo overlayer on GaAs substrate.**
  Authors: Vishal Jain, N. Lakshmi, Vivek Kumar Jain, Sijo A. K., & K. Venugopalan
  AIP Conference Proceedings, 1665, 080013, (2015).
- **First principle calculation of half metallicity in Ti2MnSb Heusler alloy.**
  Authors: Rakesh Jain, Vivek Kumar Jain, N. Lakshmi, Aarti R. Chandra, K. Venugopalan, & Vishal Jain
  AIP Conference Proceedings, 1832, 090007, (2017).

- **Structural and magnetic properties of high energy Ball milled Co2FeAl0.5Si0.5 Heusler alloy.**
  Authors: Aarti R. Chandra, Vishal Jain, Vivek Kumar Jain, Rakesh Jain, N. Lakshmi, & K. Venugopalan
  AIP Conference Proceedings, 1832, 130019, (2017).
- **First principles investigations of Fe2CrSi Heusler alloys by substitution of Co at Fe site.**
  Authors: Rakesh Jain, N. Lakshmi, Vivek Kumar Jain, & Aarti R. Chandra
  AIP Conference Proceedings, 1942, 090011, (2018).
- **Study of the electronic structure properties in Co2NbIn/Sn Heusler alloys.**
  Authors: Aarti R. Chandra, Vishal Jain, N. Lakshmi, Rakesh Jain & Vivek Kumar Jain
  AIP Conference Proceedings, 1942, 090037, (2018).
- **Interface and temperature dependent magnetic properties of 57Fe/Ti/Co multilayers.**
  Authors: Vishal Jain, N. Lakshmi, V. D. Sudheesh, Vivek Kumar Jain, V. R. Reddy, K. Venugopalan & Ajay Gupta
  Physica B: Condensed Matter, 448, 107-111, (2014).
- **Effect of Fuel to Oxidizer Ratio on Structural and Magnetic Properties of ZnCrFeO4 Nanopowder.**
  Authors: Sijo, A. K., N. Lakshmi, K. Venugopalan, Dimple P. Dutta, & Vivek Kumar Jain
  Advanced Porous Materials, 2(3), 189-191, (2015).
- **Study of the Electronic Structure, Magnetic and Elastic Properties and Half-Metallic Stability on Variation of Lattice Constants for CoFeCrZ (Z= P, As, Sb) Heusler Alloys.**
  Authors: Rakesh Jain, Vivek Kumar Jain, Aarti R. Chandra, Vishal Jain, & N. Lakshmi
  Journal of Superconductivity and Novel Magnetism, 31(8), 2399–2409, (2018).
- **Spin polarization in Co2CrAl/GaAs 2D-slabs: A computational study.**
  Authors: Aarti R. Chandra, Vishal Jain, N. Lakshmi, Vivek Kumar Jain, Rakesh Jain, & K. Venugopalan
  Journal of Magnetism and Magnetic Materials, 448, 75-81, (2018).
- **Electronic Structure, Magnetic and Optical properties of Co2TiZ (Z= B, Al, Ga, In) Heusler alloys.**
  Authors: Rakesh Jain, N. Lakshmi, Vivek Kumar Jain, Vishal Jain, Aarti R. Chandra, & K. Venugopalan
  Journal of Magnetism and Magnetic Materials, 448, 278-286, (2018).
- **Electronic structure properties of new equiatomic CoCuMnZ (Z= In, Sn, Sb) quaternary Heusler alloys: An ab-initio study.**
  Authors: Aarti R. Chandra, Vishal Jain, N. Lakshmi, Vivek Kumar Jain, Soni Kumawat, & Rakesh Jain.
  Journal of Alloys and Compounds, 748, 298-304, (2018).