

RESUME

PERSONAL INFORMATION

Name: **Dr. Shyamendra Pratap Singh**

Father's Name: Sri Hari Shankar Singh

D.O.B: 22/08/1980

Designation: Assistant Professor

Subject: Physics

Qualification: M. Sc, Ph.D., B.Ed.

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Blood Group: O+



QUALIFICATION

S. No	Qualification	Board / University	Year	Division
1	High School	U.P. Board	1994	II
2	Intermediate	U.P. Board	1996	I
3	B. Sc	Purvanchal University Jaunpur	1999	I
4	M.Sc	Purvanchal University Jaunpur	2001	I
5	B. Ed	Purvanchal University Jaunpur	2006	I
6	Ph. D	Purvanchal University Jaunpur	2006	I

ACADEMIC DISTINCTIONS

16 International and 04 National Published Papers & 12 Presented Papers in International/National Conferences. **1 Orientation Program, 3 Refresher Programs, 12 FDP/Short Term Programs & 04 International/National Webinars** attended till 15/10/2025.

PUBLICATIONS

International Publication

1. Phonon dispersion Properties of Europium Oxide (EuO); S P Singh, M P Srivastav & A K Singh international journal of advance science & research vol 03 issue 06 nov 2018 page no 29-32 ISSN – 2455-4227 impact factor-5.12
2. Thermo physical & ultrasonic properties on magnesium oxide; U C Srivastav & S P Singh international journal of recent technology & engineering (ITRTE) sep 2019 vol 08 issue 03 ISSN - 2277-3878
3. Vibrational and elastic properties of EuSe with three body interaction model; S P Singh, U C Srivastav & K S Upadhyay international journal of scientific & technology research vl-09 issue 04 Apr-2020 ISSN 2277-8616 impact factor 4.29
4. Lattice dynamical study of Europium Sulfide (EuS) using TRI and TRS model; S P Singh, U C Srivastav, K S Upadhyay International Journal of Advance Research (IJAR) ISSN 2320-5407 int, j-adv Res 9(01),472-478 jan 2021 impact factor 7.33
5. Lattice dynamical study of Titanium (Ti) by using CGW-VTBFS model; U C Srivastav & S P Singh International Journal of Advanced research (IJAR) ISSN 2320-5407 int.J.Adv. Res 9(07) 124-129, 10 Jun 2021 impact factor 7.33
6. A unified comparative Phonon Dynamical study of Europium oxide (EuO) & Europium Sulphide (EuS); S P Singh, M P Srivastav & A K Singh international journal of future Generation communication & networking vol- 1(2021 page 99-106)
7. Lattice dynamical study and Elastic properties of Europium Telluride (EuTe) crystal; S P Singh & U C Srivastav orientational journal of Chemistry &

International open access peer Reviewed Research journal 11/Oct/2021 ISSN - 0970-020XVOL-37No(S).

8. Structural & vibrational characteristics of solid naphthalene ($C_{10}H_8$) Through the use of Vander walls three-body force shell (VTBFS) Model; Umesh Chandra Shrivastav & Shyamendra Pratap Singh Oriental Journal of Chemistry ISSN-0971-020xcodenotcheg 2022 VOL 38 No (3) Pg
9. Ultrasonic and thermophysical properties of potassium halides crystals; Journal of Physical Science, Vol.34(1), 57-66,2023 Umesh Chandra Srivastava and Shyamendra Pratap Singh.
10. Lattice dynamical study and ultrasonic properties of Thorium Carbide (ThC); U C Srivastav and S P Singh Scope VOL 13 No (3 Sep 2023)
11. Characterization of Platinum (Pt) Based Nanocomposite Thin Films; S P Singh and U C Srivastav Oriental Journal of Chemistry ISSN 0970-020 X CODEN: OJCHEG 2023 VOL 39 No (6) pg.
12. Study of Lattice Dynamical Properties of Lithium Bromide (LiBr); U C Srivastav and S P Singh High Technology Letters, Volume 30, Issue 7, 2024
13. Study of Debye Temperature and Elastic Constants of Lithium Bromide (LiBr); U C Srivastav and S P Singh, Journal of Dynamics and Control, Volume 8, Issue 11, 2024
14. Vibrational Study of Debye Temperature and Elastic Constants of Lithium Bromide (LiBr); U C Srivastav and S P Singh Studies in Science of Science, ISSN:1003-2053, Volume 43, Issue 03, 2025
15. Thermophysical Study of Lithium Fluoride Crystal by use of (VTBFS) Model; U C Srivastav and S P Singh Studies in Science of Science, ISSN:1003-2053, Volume 43, Issue 04, 2025
16. Tuning the Structural, Electronic, Magnetic, and Optical Properties of EuS via Nd^{2+} Doping: A Comprehensive Study; Aman Kumar. Kamal Kishor Dwivedi, Anuj Kumar, U.C. Srivastava, Shyamendra Pratap Singh. *Iranian Journal of Physics Research* 2025.

National Publications

- 1- Unified Study of lattice dynamics of silver halides; S N Pathak, Atul Pandey, S P Singh & K S Upadhyay journal purvanchal academy of science Jaunpur India vol 10, 2004 ISSN 0972-3498
- 2- Phonon dispersion relation of EuS, EuO, EuSe & EuTe; S P Singh, P K Ojha, K S Upadhyay vol 11, 2005 Indian journal of pure and applied physics vol 42, jan ISSN 0972-3498
- 3- Unified study of lattice dynamic of EuSe; S P Sing, P K Ojha, K S Upadhyay purvanchal academy of science Jaunpur India vol 12, 2006 ISSN 0972-3498
- 4- Phonon dispersion curve of TiN; P K Ojha, S P Singh & K S Upadhyay Indian journal of pure and applied physics vol 45, jan 2007 ISSN 0972-3498 pp 79-82

PROGRAMS ATTENDED

Orientation Program

1. Date 06/01/2018 to 02/02/2018 Gorakhpur University Gorakhpur

Refresher Program

1. Information communication technology Date 02- 15 November 2019
2. Advanced Research Methodology tools and techniques Date 30-jan 2021 – 14 feb-2021 University of Delhi.
3. Refresher Program Physics Delhi University Delhi 27Oct – 10 Nov 2021.

FDP Program

1. Recent trends in material science & Engineering “Sharda University Noida” 25-31 May 2020.
2. Experimental and computational tools for materials research (ECTMR-2020) “Central University of Rajasthan” 01-08 Jun 2020.
3. Academic writing “University of Delhi” 18-24 feb 2021
4. Open-source tools for research “University of Delhi” 03-09 April 2021.

5. Teacher Education renewal in India “University of Punjab” 01-12 June 2021.
6. Developing online program for SWAYAM “Open University Haldwani” 21 June to 05 July 2021.
7. Developing Online Program for SWAYAM 14 – 28 Sep 2021 UOU University Haldwani.
8. International Workshop on Advanced Statistical Data Analysis Using SPSS Science Tech Institute Lucknow 21- 27 Sep 2021.
9. Data Analysis Using SPSS Dept Of Statistics Manipur University Canchipur 18 – 20 Oct 2021.
10. Recent Advancements in Research Methodology Organized by IQAC and Dept of Mathematics Statistics and Computer of Narsee Monjee College of Commerce and Economics Mumbai 4-9 Sept 2021.
11. Inclusive Innovative Value Education and NEP 16-20 March 22 Govt Science College Chhota Udepur Godhra Gujrat and International Scientific Research Organization.
12. Developing Personal Improvement Through Soft Skills Organized by Research Culture Society and Scientific Research Association Vadodara Gujrat 7-13 April 2022.

SEMINARS

International Seminar (Presented Paper)

- 1- Vibrational and elastic properties of EuO and EuS 29-30 Jan 2017 Govt P.G college Chakia Chandauli (UP)
- 2- Vibrational and elastic properties of EuSe mode 16-18 Nov 2019 Ultrasonic and materials science for advance technology 2019.

National Seminar (Presented Paper)

- 1- Unified study of Lattice dynamics of silver halides 20 march 2017 Physics and electrical engineering Integral University.

- 2- Crystal dynamics and structural study of Europium sulfide (EuS) Elastic behavior and pressure effect 07-08 dec 2018. Department of physics Gorakhpur University Gorkhpur.
- 3- Crystal Dynamics and structural interaction and pressure effect 02 feb 2019 D.B.S college Kanpur.
- 4- Phonone dynamical study and harmonic properties and pressure effect 19-20 feb 2019. Department of physics U.P college varansi.
- 5- A unified comparative phonon dynamical study of EuO and EuS 06-07 sep 2019. Rajkiya Engineering college ambedakar nagar U.P
- 6- Lattice and elastic properties of Europium Selenide with three body interaction model 09-10 jan 2020 In Govt P.G. college gyanpur.
- 7- Phonon dispersion properties of EuO 21 feb 2021 In Govt Degree college Hansaur Barabanki. 27 feb 2021
- 8- Unified Phonon dynamical study of EuS 25-26 feb 2021 Govt P.G college gyanpur.
- 9- A Unified phonon dynamical study of EuO 25-26 march 2021 Govt P.G college.
- 10- National Symposium on Lasers in Biology Medical Science and Climate Change Organized by Dept of Physics UP College Varanasi 14-15 March 2022.
- 11- National Seminar "Recent Advances in multifunctional materials, Organized by Physics Department. MLK PG College Balrampur (UP) 17-18 Dec 2022 & Paper in Audited Book U C Srivastav & S P Singh
- 12- National Seminar G P G College Gyanpur Tharmophysical and ultrasonic property of thorium carbides Paper in audited book. U C Srivastav & S P Singh & Deepak Kumar.

POSTER PRESENTATION

- 1- Purvanchal University Jaunpur Vibrational & elastic properties of (EuSe) with three body intrection model (Shyamendra Pratap Singh & U C Srivastav & K S Upadhyay)

WEBINARS

International Webinar(Attend)

- 1- Indian intellectual and cultural tradition in present context 16-17 may 2020.
S.G.N Govt P.G. college Gohana Mau U.P
- 2- Social Cultural and Literary change during panademics 04 sep 2020 B.R.B
College samastipur Bihar.

National Webinar (Attend)

- 1- Climate change and green technological approaches for adaptation 31 jul 2021
Govt. P.G college Manila.