



CURRICULUM VITAE

1. **Name** : Fayaz Ahmad Najar
2. **Qualification** : M.Phil (2007), Ph.D. (2020)
(Department of Physics, University of Kashmir)
3. **Present position** : Associate Professor
(Joined Department of Physics, S. P. College, Srinagar as Permanent Lecturer on 24.10.2007)
4. **Academic Experience** : 18 years
(Total length of Service)
5. **Field of Research** : Material Science
(Crystal Growth Technology, Optoelectronics and NLO Materials)
6. **Research Topic** : Growth and Characterization of some Pure and Rare Earth Doped Alkali Sulphate Single Crystals.
7. **No. of Publications** : 13
8. **No. of Conferences /workshops Attended** : 25
9. **Research Collaborations** : 1. Department of Physics Kashmir University
Srinagar-190006
2. Department of Physics Baba Ghulam Shah Badshah (BGSB), University Rajouri-185234
10. **Membership** : Member Board of Studies (Physics) Cluster University Srinagar -190001
11. **Research Co-supervisor** : Registered Research Co-supervisor at University of Kashmir.
12. **Research Projects** : One research project Sanctioned by IUAC New Delhi.

List of Publications

1. Effect of strain on mechanical stability, phonon and electronic bands of PdScSb Heusler: A perception from high-throughput DFT.
AS Alshomrany, Z Bayhan, I Kebaili, AF Wani, SA Sofi, **FA Najjar**
Inorganic Chemistry Communications, 112596 (2024) Elsevier
2. Extraction and studies of optoelectrical parameters in LaFeO₃-polyvinyl alcohol composite films for optoelectronic application
F Ullah, FA Mir, **FA Najjar**
Physica B: Condensed Matter 667, 415205 (2023) Elsevier
3. Effect of rare-earth Eu³⁺ and Tb³⁺ ions on the optoelectrical parameters of lithium sulfate monohydrate crystals
FA Najjar, BH Bhat, MM Naik, FA Mir, GB Vakil
Optical and Quantum Electronics 55, 421 (2023) Springer
4. Effect of γ -radiations on the optoelectrical parameters of coumarin-poly vinyl alcohol composite thin films
FA Najjar, FA Mir, GB Vakil, SA Dar, B Ghayas
Radiation Physics and Chemistry 193, 109973 (2022) Elsevier
5. Polyaniline nanoparticles: A study on its structural, optical, electrochemical properties along with some possible device applications
MH Rather, FA Mir, F Ullah, MA Bhat, **FA Najjar**, G Shakeel, AH Shah
Synthetic Metals 290, 117152 (2022) Elsevier
6. Determination of some optoelectrical and thermodynamic parameters of β -lithium ammonium sulphate crystals
FA Najjar, MM Naik, FA Mir, GB Vakil - Applied **Physics A**, 2020 - Springer
7. Growth and Various Characterizations of Lithium Sulfate Monohydrate Single Crystals after Eu³⁺ and Tb³⁺ Ion Doping
FA Najjar, MM Naik, FA Mir, GB Vakil... - Crystal Research and ..., 2020 - Wiley Online Library
8. Optoelectrical Behavior of Ferroelectric Lithium Rubidium Sulfate Crystals
FA Najjar, GB Vakil, B Want - Journal of Electronic Materials, 2018 - Springer
9. Electrical and mechanical studies on ferroelectric lithium rubidium sulphate crystals
FA Najjar, GB Vakil, B Want - Journal of Advanced Dielectrics, 2018 - World Scientific
10. Structural, optical and dielectric studies of lithium sulphate monohydrate single crystals

FA Najar, GB Vakil, B Want - Materials Science Poland, **2017** - yadda.icm.edu.pl

11. Infrared, Raman, electrical and thermal analysis of lithium sulphate monohydrate single crystals
FA Najar, GB Vakil, B Want - Journal of Materials Science: Materials in ..., **2017** – Springer
12. Growth and various characterizations of LiHSO₄ single crystals
FA Najar, GB Vakil, FA Wani, FA Mir... - Journal of Materials ..., **2014** – Springer
13. Optical and electrical characterization of Ni-doped orthoferrites thin films prepared by sol-gel process
..., JA Bandy, C Chong, P Dahoo, **FA Najar** - ... Journal-Applied Physics, **2013** - cambridge.org

Conferences/ Seminars/Workshops Attended

- Attended/ participated in **more than 25** Conferences/ Seminars/Workshops held at national and international level.