

CURRICULUM VITAE – AARTI

Address – V.P.O. Silani (Kesho), Jhajjar-124103, Haryana, India

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CAREER OBJECTIVE

To have a growth oriented and challenging career, where I can contribute my knowledge and skills to the development of organization and enhance my experience and skills through continuous learning and teamwork.

RESEARCH EXPERIENCE

Topic- **Synthesis and Optical Characterization of Ruby** Indore, M.P., India
Master's Thesis Project Jan'19 - June' 19

Guide- Dr. S.M. Gupta, Scientific Officer 'G'

Optical and Dielectric Ceramic Laboratory

Laser Materials Development and Devices Division,

Raja Ramanna Centre For Advance Technology (RRCAT)

This project deals with:

- Nano-particle synthesis of Cr-doped-alumina using co-precipitation technique for lasing medium along with its characterization.
- Controlling particle size distribution of ruby.
- Densification mechanisms with the help of dilatometer to achieve more than 99.9% of theoretical density.
- Study of Microstructures of ruby and its optical characterization.

Skills Learned - Optical microscopy, SEM, Photoluminescence and XRD.

ACADEMIC EXPERIENCE

Assistant Professor, Aug' 19- Present

Department of Physics,

Guru Jambheshwar University of Science and Technology, Hisar, Haryana

RESEARCH INTERESTS

- Material Science
- Nano-science and technology

SCHOLASTIC ACHIEVEMENTS

- Secured 62.65 percentile in **GATE 2019** examination in Physical Sciences.
- Secured **All India Rank-180** in **CSIR-NET (Dec 2018)** examination in Physical Sciences.
- Research fellowship for carrying out Master Project at RRCAT Indore, India.

EDUCATION

M.Sc. Physics from Central University of Haryana, Mahendergarh, Haryana, India (2017-19).

B.Sc. (Pass Course) from Pt. Neki Ram Sharma Govt. College, Rohtak, Haryana, India (2014-17).

EXTRA CURRICULUM ACTIVITIES

- Presented Technical poster on 18 March 2019 at “**ANUGOONJ 2K19**” organized by RRCAT, Indore.
- Participated and secured Grade-A in Computer Education Examination organized by Pt. N.R.S. Govt. College, Rohtak during May 2015.
- Participated in Problem Solving Assessment Class-XI (2012-13) organized by Central Board of Secondary Education, Delhi.

COMPUTER SKILLS

- MS Office
- Windows 7/8/8.1/10
- Basic HTML and Origin

LANGUAGES KNOWN

- Hindi, English & Marathi

REFERENCES

Dr. S.M. Gupta

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Dr. Suneel Kumar

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DECLARATION

I hereby, declare that all the information given above is true to best of my knowledge.

Date-

Place:

Ms. Aarti