Dr.Mohamad Raheem Ahmed

ASSISTANT PROFESSOR IN PHYSICS

CONTACT

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EDUCATION

2020
Osmania university
Ph.D

2006
Annamalai University
M.Phil

2004
Osmania university
M.Sc

SKILLS

- Know about Origin software

PERSONAL STATEMENT

I have been teaching Engineering Physics and Applied Physics to engineering students for the past 15 years. I possess strong knowledge in both theoretical and practical aspects of Physics. I am also an experienced researcher and reviewer, having reviewed more than 100 papers for various journals.

WORK EXPERIENCE

As Assistant Professor

2007 to till date

- Assistant Professor-Muffakhamjah College of engineering and technology, Hyderabad, 2015- to till date.
- Lecturer-One year Maitreyi Degree College for Women, Hyderabad-2014-2015.
- Assistance Professor- Vidya vikas institute of technology,Chevella,R.R.Dist-2013 to 2014.
- Assistant Professor-P.Indra reddy memorial engineering college, Chevella, R.R.Dist-2007-2013.
- Lecturer-Vivekananda School of P.G Studies (Degree college), Hyderabad,2007.
- Lecturer- One year in Geetanjalli Girls junior college, Bellampally, Adialbad (dist), 2006.
- Lecturer- One year in H.R.D Degree College, Narayanaguda, Hyderabad, 2004.

List of publications

1. Physical, thermal properties, FTIR and Raman spectroscopies as well as γ-ray attenuation capacity of borate glasses doped with Mn2+ ions: Role of CaO/Al2O3 substitution Mohamad Raheem Ahmed, Norah A.M. Alsaif, Nazima Siddiqui, A.S. Sai Prasad, Mudavat Srinivas, Shaik Kareem Ahmmad, Kawa M. Kaky, Abed Jawad Kadhim, Y.S. Rammah, ,Optical Materials, 158 (2025) 116461
2. Machine learning refractive index model and nitrogen implantationstudies of zinc arsenic tellurite glasses. Shaik Kareem Ahmmad, G. Nataraju,· Nazima Siddiqui
· Mohammed Muzammil Ahmed, M. A. Haleem Rizwan, Mohamad Raheem Ahmed, A. S. Sai Prasad- Journal of Australian Ceramic Society 59, 1443–1452 (2023).
3. Synthesis, physical, optical, structural and radiation shielding characterization of borate glasses: A focus on the role of SrO/Al2O3substitution, Mohamad Raheem Ahmed, K. Chandra Sekhar, Sheik Ahammed, Shaik Kareem Ahmed, Z.A. Alrowaili, Ateyyah M. Al-Baradi, I.O. Olarinoye, M. S. Al-Buriahi7,Md. Shareefuddin, Ceramic International, 48(2022) 9.
4. Infrared and Raman spectroscopic studies of Mn2+ ions doped in Strontium Alumino Borate glasses: Describes the role of Al2O3, Mohamad Raheem Ahmed, B.Ashok, Shaik Kareem Ahmed, Abdul Hameed, M. Narasimha Chary, Md. Shareefuddin, Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy 210 (2019) 308–314.
5. The effect of the addition of CaF2 and PbF2 on boro-tellurite glasses doped with chromium ions. K Chandra Sekhar, Mohamed Raheem Ahmed, N Narsimlu, Uday Deshpande, Vasant G Sathe4 and Md Shareefuddin, Materials Research Express, 6 125206 (2019)

EPR, Optical, Physical and structural studies of strontium alumino borate glasses containing Cu2+ ions, Mohamad Raheem Ahmed, Md. Shareefuddin, SN Applied Science 1(2019) 209.

Role of aluminum on the physical and spectroscopic properties of chromium-doped strontium alumino borate glasses, Mohamad Raheem Ahmed, K. Chandra Sekhar, Abdul Hameed, M. Narsimha Chary and Md. Shareefuddin, International Journal of Modern Physics B 32 (2018) 1850095.

Physical and structural studies of (30-x) BaO-xAl2O3-69.5B2O3-0.5MnO2 glasses, Mohamad Raheem Ahmed, M. Narasimha Chary, Md. Shareefuddin , Bulletin of Pure and Applied Sciences 37 (2018) 146-157.

Study on some physical and optical properties of alkaline alumino borate glasses doped with Mn2+ ions, Mohamad Raheem Ahmed, Md. Shareefuddin, International Journal of Scientific Research in Physics and Applied Sciences, 6 (2018) 26-33.

Spectroscopic studies of BaO-Al2O3-B2O3-Cr2O3 glasses, Mohamad Raheem Ahmed, M. Narasimha Chary, Md. Shareefuddin, International journal of basic and applied research, 8 (2018) 544-550.

Conference proceeding:

1. EPR and optical properties of alkali halo cadmium borate glasses containing vanadium ions Sheik Ahammed, Mohamad Raheem Ahmed, Abdul Hameed, M. Narasimha Chary, Md. Shareefuddin, AIP Conf. Proc. 2162, 020042 (2019).

Optical and EPR studies of barium alumino borate glasses containing Cu2+ ions. Mohamad Raheem Ahmed, A. V. Lalitha Phani, M. Narsimha Chary and Md. Shareefuddin, AIP Conference Proceedings 1953 (2018) 090037.

ptical and EPR studies of Strontium Alumino Borate glasses, Mohamad Raheem Ahmed, Abdul Hameed, B. Srinivas, M. Narsimha chary, Md. Shareefuddin, International Journal of Research Culture Society, special issue - 2, NOV- 2017. ISSN: 2456-6683.

“Electron Paramagnetic Resonance(EPR) studies of Vanadium Doped SrO-Al2O3-B2O3glasses.” Mohamad Raheem Ahmed, Abdul Hameed, G.Ramadevudu, M. Narsimha Chary and Md. Shareefuddin, Proceedings of the third National Conference on “Applied Physics and Materials Science”, 7-8Auguest, 2015(74-76). ISBN: 978-93-82570-64-6.