

Name: Dr. Chaitali Vilasrao More

Designation: Assistant Professor

Qualification: Ph.D. (Physics), M. Sc. (Physics)

Specialization: Nuclear Physics

Teaching Experience: 3 years

Publications: 44

Email: drchaitalimore@gmail.com ; cmore@mgmu.ac.in

Photo:



Research:

Achieved the position in “**Top Scientist Worldwide**” by **AD Scientific Index** in the years **2021, 2022, 2023, 2024, and 2025.**

Citations: 1289; **h-index:** 15 ; i-10 index- 22 (Google Scholar)

1. **More, C. V.**, Alsayed, Z., Badawi, M. S., Thabet, A. A., & Pawar, P. P. (2021). Polymeric composite materials for radiation shielding: a review. *Environmental Chemistry Letters*, 1-34.
2. **More, C. V.**, Alavian, H., & Pawar, P. P. (2020). Evaluation of gamma-ray attenuation characteristics of some thermoplastic polymers: Experimental, WinXCom and MCNPX studies. *Journal of Non-Crystalline Solids*, 546, 120277.
3. **More, C. V.**, Sayyed, M. I., Kumar, A., Pawar, P. P., & Maghrbi, Y. (2025). Experimental study on borosilicate glasses: influence of Bi₂O₃ on gamma radiation shielding efficiency. *Radiation Physics and Chemistry*, 112952.
4. **More, C.V.**, Tarwal, N.L., Botewad, S.N., Anis, M., Kutwade, V.V., Akman, F., Agar, O. and Pawar, P.P., 2025. Radiation shielding efficacy of unsaturated polyester composites for gamma and neutron attenuation-enhanced with SnO₂. *Radiation Physics and Chemistry*, 229, p.112484.
5. Gaikwad, K.B., Gattu, K.P., **More, C.V.**, Sayyed, M.I., Niras, K.R. and Pawar, P.P., 2024. Experimental evaluation of gamma radiation attenuation properties of NiO. 2Mg_xZnO. 8-xFe₂O₄. *Optical Materials*, 148, p.114807.
6. Elsafi, M., Sayyed, M.I., Hanafy, T.A., **More, C.V.** and Hedaya, A., 2024. Experimental study of gamma-ray attenuation capability of B₂O₃-ZnO-Na₂O-Fe₂O₃ glass system. *Scientific Reports*, 14(1), p.19141.
7. Sayyed, M.I., Rashad, M., **More, C.V.** and Kumar, A., 2024. Preparation and radiation shielding features of high density, transparent borosilicate glasses with different Bi₂O₃ contents. *Nuclear Engineering and Technology*, 56(12), pp.5043-5047.

8. Kanani, N. S., Parekh, D. J., Vasoya, N. H., Pawar, P. P., Modi, K. B., & **More, C. V.** (2025). Optimizing Gamma Radiation Defence through Strategic Fe³⁺-Substitution in CaCu₃Ti₄O₁₂. *Journal of Alloys and Compounds*, 180594.
9. Sayyed, M. I., Biradar, S., **More, C. V.**, & Mahmoud, K. A. (2025). Investigation of the optical and gamma-ray attenuation performance of borate-based glasses: Influence of BaO, ZnO, and CaO doping. *Annals of Nuclear Energy*, 221, 111557.
10. Sayyed, M.I., Almuqrin, A.H., **More, C.V.**, Rilwan, U., Rashad, M. and Elsafi, M., 2024. Exploring gamma radiation shielding: the role of BaO in borosilicate glasses. *Silicon*, 16(11), pp.4857-4866.

Books Published:

1. Dr. Chaitali V. More, Dr. Faiyyaj I. Shaikh (2025). **Electronic Communications**, Kailash Books, Chh. Sambhajinagar (M.S.), India. ISBN: 978-81-979007-4-7
2. Dr. Faiyyaj I. Shaikh, Dr. Chaitali V. More (2024). **Electrical Measurements**, Kailash Books, Chh. Sambhajinagar (M.S.), India. ISBN: 978-81-979007-2-3
3. Dr. Chaitali V. More, Dr. Faiyyaj I. Shaikh, Dr. B. B. Raje Shaikh (2024). **A Text Book and Manual of Optics**, Kailash Books, Chh. Sambhajinagar (M.S.), India. ISBN: 978-81-979007-9-2
4. Dr. Faiyyaj I. Shaikh, Dr. Chaitali V. More (2024). **Physics in Sports**, Kailash Books, Chh. Sambhajinagar (M.S.), India. ISBN: 978-81-979007-3-0
5. Dr. Faiyyaj I. Shaikh, Dr. Chaitali V. More (2024). **Basics of Forensic Physics**, Kailash Books, Chh. Sambhajinagar (M.S.), India. ISBN: 978-81-979007-5-4
6. Dr. Chaitali V. More, Dr. B. B. Raje Shaikh, Dr. B. U. Patil (2024). **Everyday Physics**, Anand Prakashan, Chh. Sambhajinagar (M.S.), India. ISBN: 978-93-91204-39-6

Contact: +91-9284873044