

Letter of motivation

I am very delighted to know about the European Summer School in Quantum Chemistry 2024 (ESQC). I am proposing my keen interest to participate in ESQC. I am a passionate learner with a strong desire to immerse myself in new academic experiences. I've witnessed how quickly different theories have taken center stage in the world. One of the most fascinating theories are the quantum theories. And it is really amazing to witness this development. The interesting thing is that while I was going through the research domain of the ESQC lecturer's, I found an impressive track record of achievements, and the best thing that attracted me was the innovative research and pioneering ideas.

I have completed my master's in chemistry from the Indian Institute of Technology, Guwahati, India. During my Master's course work, I had courses for quantum chemistry, computers in chemistry, and group theory and spectroscopy. It sparked my curiosity and excitement to be a theoretical physicist. I always had the curiosity to explore the new dimension, and since we all know that experimentally we are restricted with our techniques and tools, I decided to pursue a Ph.D. in quantum chemistry. Currently, I am a part of innovative research titled "Novel quantum chemistry-based methods for the design of efficient and promising organic photovoltaic compounds" under the supervision of "Dr. Hab Paweł Tecmer," where I am working as a quantum physicist to find the best substitute for the photovoltaic materials, ultimately developing efficient organic solar cells. I am trying to achieve my goal by using Molpro and PyBEST software. For my course work in Ph.D. 1st semester, I am able to obtain the highest grade for my courses, which truly justifies my tilt towards the field. I am genuinely excited about this opportunity to participate in the lectures of eminent scientists from well-established organizations. Thank you for taking the time to read my letter. looking forward to having further discussions.