



Soroush Zamani Moghaddam

Major: *Assistant Professor*

Department: *Elementary Particles and Field Theory Physics
University of Kashan*

Tel.: *+98-31-55913057*

E-Mail: zamani_moghaddam.s@kashanu.ac.ir

Web-site: <https://faculty.kashanu.ac.ir/zanimoghaddam/fa>

EDUCATION

PhD: *Theoretical Physics, Lomonosov Moscow State University (MSU)*

MSc: *Theoretical Physics, Lomonosov Moscow State University (MSU)*

BSc: *Physics, Science and Research Branch of Tehran (SRBIAU)*

RESEARCH INTERESTS

- *Radiation of Relativistic Particles and Strings in Spaces of Various Dimensions*
- *Gravitational Radiation in Brane Models*
- *The Physics of Extra Dimensions*
- *Brane cosmology, Early Universe, Inflation Models, Dark Matter and Dark Energy*
- *Quantum field theory in curved space-time*
- *Cosmological Models of Modified Gravity*

GRADUATE AND UNDERGRADUATE COURSES

PhD:

- *General Relativity 1*
- *Special Topics in Elementary Particles Physics*

MSc:

- *Advanced Quantum Mechanics 1,2*
- *Gravitation 1*
- *Quantum Fields Theory 1*
- *Special Topics in Gravitation and Astronomy*
- *Special Topics in Elementary Particles Physics*

BSc:

- *General Physics 1,2*
- *General physics 1, laboratory*
- *Analytical Mechanics 1,2*
- *Mathematical Physics 1,2*
- *Quantum Mechanics 1,2*
- *Modern Physics*
- *Special Relativity*
- *Philosophical Foundations of Quantum Mechanics*
- *Seminar and Project for the degree of Bachelor of Science*

LANGUAGE SKILLS

Persian (Native)

English (Advanced)

Russian (Advanced)