



Second Laureate Fundamental Research



- ◆ **Researcher:** Dr. Rashid Ganeev
- ◆ **Nationality:** Uzbekistan
- ◆ **Date of Birth:** January 18, 1955
- ◆ **Field:** Basic Sciences, Laser Physics
- ◆ **Position:** Visiting Researcher
- ◆ **Scientific Affiliation:** Imperial College London, United Kingdom
- ◆ **Research Work Title:** High-Order Harmonic Generation of Radiation in Laser Plasma

Abstract:

Dr. R. A. Ganeev have established new methods of high-order harmonic generation of ultrashort laser pulses in the laser ablation plumes from the solid targets through the collaboration with a number of leading laboratories in Japan, Canada, India, Italy, Germany, United Kingdom, etc. This has allowed developing new approaches in creation of ultrashort pulse sources of laser radiation in the extreme ultraviolet range by achieving the efficient conversion efficiency of laser radiation in this spectral range.

Biography:

Dr. R. A. Ganeev has initiated in Uzbekistan the systematic studies of the nonlinear optical properties of various media as well as established his methods to perform high-order harmonic generation in the laser ablation plumes from a solid target through the collaboration with a number of leading laboratories. He has published several chapters in the books related with the optical sciences. Dr. R. A. Ganeev is a member of the editorial boards of few international journals and frequently serves as a reviewer of optical and physical journals. He is a first co-author of most of his 232 publications in peer-reviewed journals. In 2002, the International Commission for Optics awarded him the ICO Galileo Galilei Medal and Award for the contribution in the nonlinear optics. In 2008, Academy of Sciences for the Developing World (TWAS) elected Dr. R. A. Ganeev a Fellow of TWAS.

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