## **Research Interests**

- 1. Experimental Physical Chemistry: Lasers, Energy Transfer in Liquids, Non-Linear Optics, Chemical Kinetics and Thermodynamics.
- 2. Theoretical Physical Chemistry: Classical and Semi-Classical calculations of energy transfer problems in Atom-Diatomic molecules Collisions. Quantum mechanical calculations of Vibrational-Vibrational and Vibrational-Translational energy transfer between molecules.