

**Name:** Ali    **Surname:** Bakouie

**Date of birth:** 21/03/1966

**Gender:** Male

**Place of birth:** Gom, Iran

**Nationality:** Iranian

**Academic Status:** Assistant of Professor in Physics

**Present Status:** Faculty member, Research coordinator

Atomic and Molecular Physics Group

**Major subjects:** Nuclear physics

**Affiliation:** Physics Department, Basic Sciences Faculty, TARBIAT MODARES UNIVERSITY (TMU), ALE AHMAD BLVD, P. O. BOX 14115-194, TEHRAN 1411713116, IRAN.

**Tel & Fax:** +98 21 82884750

**Email:** a.bakouei@modares.ac.ir and abakouei@gmail.com

**Education:**

**Bachelor of Science in Applied Physics**, Amirkabir University of Technology, Tehran, Iran 1990

**Master of Science in Nuclear Physics**, University of Tehran, Tehran, Iran 1994

**Ph.D. in Nuclear Physics and Elementary Particles**, Moscow State University, Moscow, Russia -2003

**PhD Thesis:** Spectrometry of nuclear backscattering of protons as the processes of surface modification method of investigation material layers

**MaS Thesis:** BNCT boron neutron capture therapy of brain power distribution calculation nodes Monte Carlo

**Administrative responsibility:**

- Scientific Representative of the Islamic Republic of Iran and head of Iranian students in Russia, Belarus and Central Asia (2007-2010)
- Scientific Representative of the Islamic Republic of Iran and head of Iranian students in Belarus and Ukraine (2010-2013)
- Head, Atomic and Molecular Physics Group (2015- )
- Dean, Department of Physics (2015- )

**Professional Societies Membership**

Member of Physical Society of Iran

**Volunteer Activities**

- Chairman of the first International Conference on Modern Applications of Nanotechnology IBCN12, Minsk, Belarus, 27-29 June 2012
- Chairman of the 2nd International Conference on Modern Applications of Nanotechnology Minsk, Belarus, 6-8 May 2015
- Member of Steering Committees for Conference on FAMILY AND WOMAN IN THE MODERN WORLD: SOCIAL AND CULTURAL ASPECTS, Minsk, Belarus, 2 Feb. 2012

**Publications:**

- Sn1-XPbXS nanorods for optoelectronic application
- Measurement of the parameters of nanometer films by optical and microwave methods  
Semiconductors December 2011, Volume 45, Issue 13, pp 1694-1698
- Measurement of thickness and electro physical parameters of dielectric and metallic thin films by optical and microwave methods  
Journal of Theoretical and Applied Physics, 4-2, 30-33 (2010)
- Application of multilayered film electromagnetic screens in space equipment  
S.S. Grabchikov, A.V. Trukhanov, Ali Bakouie, V.I. Gnedih, O.E. Kozlov, V.A. Kotcov, P.P. Moiseev and A.V. Viktorov

NANOSYSTEMS: PHYSICS, CHEMISTRY, MATHEMATICS, 2014, 5 (6), P. 789{795

- PHYSICAL PROPERTIES OF HOT WALL DEPOSITED Sn1-XPbXS THIN FILMS  
V. F. Gremenok, V. A. Ivanov, H. Izadneshan, V. V. Lazenka, A. Bakouie
- SnS-PbS Nanorods for Thermoelectric Application  
V.F. Gremenok<sup>1</sup>, V.A. Ivanov<sup>1</sup>, A.V. Stanchik<sup>1</sup>, I.N. Tsyrelchuk<sup>2</sup>, A. Bakouei<sup>3</sup>  
2nd International Conference on Modern Applications of Nanotechnology Minsk, Belarus, 6-8 May 2015
- FLEXIBLE CU(IN,GA)SE<sub>2</sub>SOLAR CELLS WITH IN<sub>2</sub>S<sub>3</sub> BUFFER LAYER  
V.F. Gremenok, H. Izadneshan, A.Bakouie  
1st. International Conference and Exhibition on Solar Energy May 19-20 2014, Tehran, Iran
- Hydrothermal synthesis of hematite nanostructures for photoelectrochemical water splitting  
Abed Naderirad, behroz eftekharinia, ahmad moshaii, ali bokouei,  
Sixth International Conference on Nanostructures (ICNS6)
- Investigation of Photoelectrochemical Properties of WO<sub>3</sub> Thin Films for Water Splitting  
Hossein Norouzi, Behrooz Eftekharia, Ahmad Moshaii, Ali Bakouei,  
Sixth International Conference on Nanostructures (ICNS6)
- Self-templated synthesis of uniform nanoporous CuCo<sub>2</sub>O<sub>4</sub> double-shelled hollow microspheres for high-performance asymmetric supercapacitors  
Saeid kamari kaverlavania, Ali bakouei\* and Seyyed Ebrahim Moosavifardb