Curriculum Vitae

Urganch State University named after Al-Khorazmi,Department of Technology
X. Olimjon 14, Urganch, Khorazm 220100, Uzbekistan

bunyod_kit@yahoo.com
Phone: +99862-228- 4489
Mobile: +99897-716- 6449
Fax: [fax]
Website: advancednanolab.com

BunyodAllabergenov, Ph.D

https://www.researchgate.net/profile/Bunyod_Allabergenov

Education

Sep 2004 – Jul 2008 **Bachelor Degree**
Urganch State University named after Khorazmi, Department of Engineer Technology,
Khorazm, Uzbekistan

Sep 2008 – Jul 2010 **Master Degree**
Toshkent State Technical University named after Beruni, Department of Mechanics,
Toshkent, Uzbekistan

Sep 2010 – Jul 2015 **Ph.D Degree**
Kumoh National Institute of Technology, Department of Advanced Materials Science and Engineering
Gumi, South Korea

Thesis

In bachelor degree **Major:**Technical Equipment and Design
Title: Enhanced transport mechanism of KHU-4 cultivators sections

In master degree **Major:**Science on materials and technology of new materials
Title: Study on ratio compositions and structural properties of molybdenum composite with constructional steel based bimetals for stamp tool applications

In Ph.D degree **Major:**Materials Science
Title: Synthesis and Characterization of Cu-Doped ZnO Thin Films

Work Experience

Oct 2015 – Present **Associated Professor**
Urganch State University named after Al-Khorazmi, Department of Technology and Transport Systems
Khorazm, Uzbekistan

Sep 2011 – Dec 2014 **Part-time researcher**
DaeguGyeongbuk Institute of Science and Technology, Nano and Bio Research Division,
Daegu, South Korea

Statistics

RG Score	16.22
Publications	20
Total Impact Points	15.19
Reads	696
Citations	11

Awards & Grants

Oct 2014 Award: The Korean Joining and Welding Society Meeting on "Micro-packaging Technology": in October KINTEX-2014. Poster Award for the paper entitled "" Structural and optical characteristics of Cu-doped ZnO films for light emitting diode application".

Jul 2014 Award: NANO KOREA 2014 Symposium, Coex, Seoul, Korea. Silver prized best poster presentation award for the paper entitled "Advanced TiO_2nanotubular flow through reactor for CO_2photoconversion".

Jul 2014 Award: 18th International Symposium on Advanced Display Materials and Devices: ADMD 2014, Sendai, Japan. Poster Award for the paper entitled "Photoluminescence Properties of ZnO/CuO_x Multilayer Films Deposited by Pulsed Laser Deposition".

Jul 2014 Award: International Conference on Microelectronics and Plasma Technology 2014 (ICMAP2014), Best Poster Presentation Award for the paper entitled "Optical Properties of Cu Doped ZnO Films Prepared by Cu Solution Coating".

Oct 2013 Award: The Korean International Meeting on Information Display: in October KINTEX-2013, Seoul. Poster Award for the paper entitled "The study on the optical properties of Cu-doped ZnO thin films prepared by DC magnetron sputtering".

Skills & Activities

Skills	Semiconductor, Nanomaterials, Photodegradation, Materials Testing, Nanostructures, Spark Plasma Sintering, Composite Material, Sintering, Electrical Conductivity, Porosity, Material Characterization, Ceramics, Microstructure, Mechanical Properties, Advanced Materials, Mechanical Testing, Powders, Coatings Science, Grain Boundaries, Crystal Size Distribution, Solid State Ionics, Nanomaterials Synthesis, Materials, Materials Engineering, Thin Film Deposition, Materials Processing, Optical Materials, Semiconductor Devices, Material Characteristics, X-ray Diffraction, SEM Analysis, Mechanical Engineering, Optical Engineering, Composites, Ceramic Materials, Condensed Matter Physics, Materials Science, TiO_2, Photocatalysts, Catalyst, Graphene, Sputtering, Electrolytes, Metal Oxide Semiconductors, Graphene Growth, Thin Films and Nanotechnology, Titanium Dioxide, Corrosion, Pulsed Laser Deposition
Languages	English, Russian, Uzbek
Scientific Memberships	Not yet
Interests	Materials Science, thin film depositions, 3D-printer, computer programs

Publication Highlights

[authors]: *[title]*. [details]

Books

Book Chapters

Amir Abidov, BunyodAllabergenov, OybekTursunkulov, Jeonghwan Lee, Sang Youp Kim, Eun Young Lee, Li Li He, Sung Jin Kim: *The Evaluation of Photocatalytic Properties of Iron Doped TitaniaPhotocatalyst by Degradation of Methylene Blue Using Fluorescent Light Source*. Advanced Materials Research, Advances in Materials and Materials Processing edited by Zhengyi Jiang, Xianghua Liu, Sihai Jiao and Jingtao Han, 01/2013: chapter Chapter 11: Environmental. Research, Friendly Materials and Recycling Waste Technologies: pages 1700-1703; Trans Tech Publications Inc.., ISBN: 1662-8985

BunyodAllabergenov, OybekTursunkulov, SooJeong Jo, Amir Abidov, Christian Gomez, Sung Bum Park, Sungjin Kim: *Advances in Sintering Science and Technology II: Ceramic Transactions, Volume 232*. Advances in Sintering Science and Technology II, 09/2012: pages 151-161; , ISBN: 9781118273753

Journal Publications

Byeongdae Choi, Hyunseok Shim, Bunyod Allabergenov: *Red photoluminescence and blue-shift caused by phase transformation in multilayer films of titanium dioxide and zinc sulfide*. Optical Materials Express 10/2015; 5(10):2156-2163. DOI:10.1364/OME.5.002156

BunyodAllabergenov, Seok-Hwan Chung, Sungjin Kim, Byeongdae Choi: *Optical Properties of Cu-Doped ZnO Films Prepared by Cu Solution Coating*. Journal of Nanoscience and Nanotechnology 10/2015; 15(10). DOI:10.1166/jnn.2015.11209

BunyodAllabergenov, OybekTursunkulov, Amir Abidov, Soon-WookJeong, Sungjin Kim: *Mechanical properties of stainless steel composites with titanium carbonitride consolidated by spark plasma sintering*. Journal of Composite Materials 03/2015; DOI:10.1177/0021998315574756

Amir Abidov, BunyodAllabergenov, OybekTursunkulov, Lili He, Beom-Hyeok Park, Hee-Joon Kim, Sungjin Kim: *Methanol Artificial Photosynthesis Using Iron Doped TiO_2*. Journal of Biobased Materials and Bioenergy 04/2014; 8(April):165-169. DOI:10.1166/jbmb.2014.1429

BunyodAllabergenov, OybekTursunkulov, Amir I. Abidov, Byeongdae Choi, Jeong Soon Wook, Sungjin Kim: *Microstructural analysis and optical characteristics of Cu-doped ZnO thin films prepared by DC magnetron sputtering*. Journal of Crystal Growth 02/2014; DOI:10.1016/j.jcrysgro.2014.01.040

Amir Abidov, BunyodAllabergenov, Jeonghwan Lee, Christian Gómez-Solís, IsaíasJuárez-Ramírez, Sungjin Kim: *Study on Ag modified TiO_2 thin films grown by sputtering deposition using sintered target*. Journal of Crystal Growth 12/2013; DOI:10.1016/j.jcrysgro.2013.12.018

OybekTursunkulov, BunyodAllabergenov, Amir Abidov, Sang-Yeop Kim, Heung-Woo Jeon, Soon-WookJeong, Sungjin Kim: *Comparison Characteristic of Large Area Graphene Films Grown by Chemical Vapor Deposition with Nano-Graphite Structures.* 11/2013; 1(4):324-327. DOI:10.7763/IJMMM.2013.V1.70

BunyodAllabergenov, Seok-Hwan Chung, Soon Moon Jeong, Sungjin Kim, Byeongdae Choi: *Enhanced blue photoluminescence realized by copper diffusion doping of ZnO thin films*. Optical Materials Express 10/2013; 3(10). DOI:10.1364/OME.3.001733

Amir Abidov, BunyodAllabergenov, Jeonghwan Lee, Heung-Woo Jeon, Soon-WookJeong, Sungjin Kim: *X-Ray Photoelectron Spectroscopy Characterization of Fe Doped TiO_2Photocatalyst*. 08/2013; 1(3):294-296. DOI:10.7763/IJMMM.2013.V1.63

BunyodAllabergenov, Sungjin Kim: *Investigation of electrophysical and mechanical characteristics of porous copper-carbon composite materials prepared by spark plasma sintering*. International Journal of Precision Engineering and Manufacturing 07/2013; 14(7). DOI:10.1007/s12541-013-0160-5

OybekTursunkulov, BunyodAllabergenov, Amir Abidov, Soon-WookJeong, Sungjin Kim: *Synthesis, Characterization and Functionalization of the Coated Iron Oxide Nanostructures*. 06/2013; 20(3):180-185. DOI:10.4150/KPMI.2013.20.3.180

BunyodAllabergenov, OybekTursunkulov, Amir Abidov, Sang-Yeop Kim, Heung-Woo Jeon, Soon-WookJeong, Sungjin Kim: *Effect of Thermal Annealing on Mechanical Properties of the Stainless Steel with TiC_xN_y Composites*. 01/2013; DOI:10.7763/IJMMM.2013.V1.64

BunyodAllabergenov, OybekTursunkulov, Amir Abidov, Sang Youp Kim, Eun Young Lee, Li Li He, Tae Yong Kim, Soon WookJeong, Sung Jin Kim: *Effect of TiH_2Composition on Porous Stainless Steel and Titanium Hydride Composite Synthesized by Spark Plasma Sintering*. 01/2013; 652-654:2293-2298. DOI:10.4028/www.scientific.net/AMR.652-654.2293

SharofutdinKamalov, Amir Abidov, BunyodAllaberganov, SooJeong Jo, Eun Young Lee, Jeong Hwan Lee, Insoo Kim, No-Jin Park, Jun Hee Lee, Sungjin Kim: *Fabrication and characterization of ordered microsized tubular TiO2 films by using various anodizing conditions*. Research on Chemical Intermediates 03/2011; 38(3-5). DOI:10.1007/s11164-011-0436-2

Patents

Conference Proceedings

RamizullaMuminov, Amir Abidov, Bunyod Allabergenov, A. Maksudov, S.A. Radjapov, Yo. K. Toshmuradov, Sungjin Kim: *Novel detectors for earthquakes prediction*. Nano Korea 2015 Symposium, Seoul, South Korea; 07/2015

Amir Abidov, BunyodAllabergenov, Feiyi Xiao, Xing Jin, Soon-WookJeong, Beom-Hyeok Park, Hee-Joon Kim, Kwang-Hwan Jhee, Sungjin Kim: *Fabrication and Characterization of Amine Compounds Synthesized from Carbon Dioxide and Ammonia Water Using Transition Metal Doped TiO2*. ICETI 2014, Taiwan; 11/2014

A. Abidov, B. Allabergenov, F. Xiao, X. Jin, S. W. Jeong: *Fabrication of Transition Metal Doped TiO2 Photocatlyst for Artificial Photosynthesis Applications*. 2014 ECS and SMEQ Joint International Meeting; 10/2014

Amir Abidov, BunyodAllabergenov, Feiyi Xiao, Xing Jin, Sungjin Kim: *Advanced TiO2 nanotubular flow through reactor for CO2 photoconversion*.. NANO KOREA 2014 Symposium, Seoul, Korea; 07/2014

Technical Reports