



Numan Gozubenli

Curriculum Vitæ (June 16, 2017)

Address	Department of Molecular Biology-Genetics, Harran University, Turkey
Phone	+1 (352) 870 9828(US) +90 (414) 318 1503(Turkey)
Mail	gnuman@harran.edu.tr
WWW	http://gbnuman.wix.com/gnuman/

APPOINTMENTS

Bio-Engineering 2015-Present
Harran University

- Research on Optic Sensors, STM/BEEM, UHV wafer bonding, spin coating/bio and chemical sensors
- Teaching courses on Nano optics, Lithography techniques, and Triboelectronics

Teaching Assistant 2014-2015
University of Florida

- Particle Science and Engineering, Tseng Lab: research on Bio Process by silicon thin films and spin coated materials

Research Assistant 2012-2014
University of Florida

- Chemical Engineering, Jiang Lab: research on Plasmonic Detection of Bio Materials by Colloidal Monolayers

2005-2008
Dicle University

- Department of Chemistry-Physical Chemistry Lab: research on adsorption mechanisms of nano particles on biological substances

EDUCATION

PhD Engineering 2012-2015
University of Florida

[“Scalable Fabrication of Colloidal Monolayer Plasmonic Nanocrystals”](#)

Thesis advisor: P. Jiang (UF) / O. D. Crisalle (UF)

Master of Science 2009-2011
University of Florida

[”Physical Effects over Nano Polystyrene Beads of Ultrasound Waves in Drug Interactions”](#)

Thesis advisor: P. Jiang(UF) / A. Chauhan(UF)

BS Fine Arts and Sciences 2000-2004
Selcuk University

Academic/Research advisors: M.Ersoz and M.D. Yilmaz

PEER-REVIEWED JOURNAL PAPERS

5. X Liu, N Gozubenli, B Choi, P Jiang, T Meagher, B Jiang, “[Templated fabrication of periodic arrays of metallic and silicon nanorings with complex nanostructures](#)”, *Nanotechnology* **26**, 055603 (2015).
4. K Askar, BM Phillips, Y Fang, B Choi N Gozubenli, P Jiang, B Jiang, “[Self-assembled self-cleaning broadband anti-reflection coatings](#)”, *Colloids and Surfaces A* **439**, 84 (2013).
3. X Liu, B Choi, N Gozubenli, P Jiang - Journal of colloid and interface , “[Periodic arrays of metal nanorings and nanocrescents fabricated by a scalable colloidal templating approach](#)”, *Journal of Colloid and Interface Science* **409**, 52 (2013).
2. H Yang, N Gozubenli Y Fang, P Jiang, “[Generalized Fabrication of Monolayer Nonclose-Packed Colloidal Crystals with Tunable Lattice Spacing](#)”, *Langmuir* **29**, 7674 (2013).
1. Y Bulut, N Gözübenli, H Aydın, “[Equilibrium and kinetics studies for adsorption of direct blue 71 from aqueous solution by wheat shells](#)”, *Journal of hazardous materials* **144**, 300 (2007).

PENDING MANUSCRIPTS [\[arxiv\]](#)

- N Gozubenli, E Yasun, P Jiang, “[Scalable Fabrication of Hexagonally Ordered Nanobowls Based Polyurethane with Tunable Lattice Spacing](#)”, *cond-mat/1308.5621*.
- N Gozubenli, P Jiang, “[Enhancement of Triboelectric Performance enabled by Optical Discs](#)”, *cond-mat/1309.5341*.
- N Gozubenli, E Yasun, N Dilsiz, “[Hybrid Nano Materials: Bio Colloids](#)”, *cond-mat/Turkish Journal of Biology, Accepted, 2017*.
- N Gozubenli, “[Thermal sensor based on Triboelectric Phenomena enabled by Polycarbonate Discs](#)”, *cond-mat/1230.3456*.
- N Gozubenli, E Yasun, “[Triboelectric Performance by Colloidal Particles at Nano Scale](#)”, *cond-mat/1254.4567*.
- N Gozubenli, “[Wireless Triboelectric Conductivity enabled by One Electrode](#)”, *cond-mat/1265.4355*.

FEDERAL FUNDING

- Turkish National Science Foundation (TUBITAK), “[Harmonic detection of the Motion on Biological Tissue in narrow bandgap](#)”, \$100,000 (PI, 10/15).

INVITED TALKS AT INTERNATIONAL CONFERENCES

8. 4 th International Conference on Nuclear and Renewable Energy Resources (NURER 14), Antalya, Turkey, 10/14
7. AIChE September Meeting, San Francisco, 3/6/14
6. 30th European Conference on Surface Science, Antalya, Turkey, 2014
5. 30th European Conference on Surface Science(ECOSS14), Antalya, Turkey, 2014
4. 13 th AIChE Annual Meeting, San Francisco, CA – USA, 6/4/13
3. 6 th AnnualConference(Poster), University of Florida, Gainesville, USA, 09-29-13
2. XX. International Graduate Symposium(Poster), University of Florida,Gainesville, USA, 04/04/13
1. XX. National Chemistry Conference, Kayseri-Turkey, 09/04/06

THESES SUPERVISED

1. Emrah Tolga – MS -Present “Optical Triboelectric Electrification Effects”

SYNERGISTIC ACTIVITIES

- T.P. Patent 7244997, “Triboelectric-Luminescent Transducer”
- T.P. Patent 7345595, “Triboelectric-Signaling Converter”
- Life Member 61024031, Turkish Chemistry Society

AWARDS

- 2013 Entrepreneurship from The Scientific and Technical Research Council of Turkey (TÜBİTAK)
- 2012 Entrepreneurship from The Scientific and Technical Research Council of Turkey (TÜBİTAK)
- 2008 Scholarship from Turkish Ministry of Education to pursue graduate degree in the United States, Ankara
- 2006 Fellowship from The Scientific and Technical Research Council of Turkey (TÜBİTAK) for research studies and as a successful performance (2 years)
- 2004 Perfect GPA Awards from Selçuk University, Konya

TEACHING

@ University of Florida, Bio Eng. Dept.:

- Fall 14: **ABE 2062/6949 Biology for Engineers**

“Mr. Gozubenli was an excellent teacher who really knows his stuff. He’s a great presenter of material and always emphasized that we learn...I enjoyed the course.”

@ University of Florida, Chemical Eng. Dept.:

- Fall 14: **ECH 3264 Elementary Transport Phenomena**

“Helps a lot in and out of class...I like the computational methods used in micro- and nano-systems, which was taught by the instructor. His lectures help promote my understanding of semiconductor devices to a higher level...Great class, well taught. Intense projects but very helpful in understanding the subject.”