Anıl İncel

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Nationality: Turkish

Current position: PhD student at Malmö University

Education:

2014 – 2016 Master of Science (M.Sc.), Department of Materials Science and Engineering, İzmir Institute of Technology, İzmir, Turkey

2009 – 2014 Bachelor of Science (B.Sc.), Department of Chemistry, İzmir Institute of Technology, İzmir, Turkey

Work experience:

November 2013 – December 2016, Researcher about "The Development of Sensing Platform by using Triboluminescent/Polymer Composite" at Polymer Chemistry and Materials Engineering Laboratory, İzmir Institute of Technology, İzmir, Turkey

July 2013 – September 2013, Visiting Researcher/Internship about "2D MoS_2 Nanosheets for Electrochemical Glucose Biosensing" at Biosensors and Bioelectronic Centre, Linköping University, Linköping, Sweden

June 2011 – April 2013, Researcher about "Synthesis of CeO_2@SiO_2 core-shell NPs" at Nanomaterials and Polymer Chemistry Laboratory, İzmir Institute of Technology, İzmir, Turkey

Research interest: Polymer Chemistry, Nanomaterials, Bio- and Chemo- Sensors

Publications:

[1] İncel, A.; Güner T.; Parlak, O.; Demir, M.M. Null Extinction of Ceria@silica Hybrid Particles: Transparent Polystyrene Composites, ACS Applied Materials and Interfaces, 2015, 7, 27539-27546.

[2] Parlak, O.; İncel, A.; Uzun, L.; Turner, A.P.F.; Tiwari, A. Structuring Au nanoparticles on two-dimensional MoS_2 nanosheets for electrochemical glucose biosensors, Biosensors and Bioelectronics, 2017, 89, 545-550.

[3] İncel, A.; Reddy, S.M.; Demir, M.M. A New Method to Extend the Stress Response of Triboluminescent Crystals by Using Hydrogels, Materials Letters, 2017, 186, 210-213.

[4] İncel A.; Eanes-Emirdağ, M.; McMillen, C.D.; Demir, M.M. Integration of Triboluminescent EuD_4TEA Crystals to Transparent Polymers: Impact Sensor Application, ACS Applied Materials and Interfaces, 2017, 9, 6488-6496.

[5] İncel, A.; Varlıklı, C.; McMillen, C.D.; Demir, M.M. Triboluminescent Electrospun Mats with Blue-green Emission under Mechanical Force, The Journal of Physical Chemistry C, 2017, (accepted).

[6] İncel, A.; Akın, O.; Çağır, A.; Yıldız, Ü.H.; Demir, M.M. Smart Phone Assisted Detection and Quantification of Cyanide in Drinking Water by Paper Based Sensing Platform, Sensors & Actuators: B. Chemical, 2017, (accepted).

[7] İncel, A.; Demir M.M. Triboluminescent Microspheres Consisting of Alginate and EuD_4TEA crystals, 2017, (submitted to Carbohydrate Polymers)

Hobby: Singing, Photography, and Novelist