

## Assoc. Prof. Alper Gürarlan

### Personal Information

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### Education Information

Doctorate, North Carolina State University, Mechanical & Aerospace Engineering, United States Of America 2015 - 2016

Doctorate, North Carolina State University, Materials Science And Engineering, Fiber And Polymer Science, United States Of America 2011 - 2013

Postgraduate, North Carolina State University, College Of Textiles, Textile Chemistry, United States Of America 2009 - 2011

Undergraduate, Usak University, Faculty Of Engineering, Tekstil Mühendisliği, Turkey 2003 - 2007

### Dissertations

Doctorate, Composite and Fiber Applications of Polymers Restructured via Nanoconfinement, North Carolina State University, College Of Textiles, Fiber And Polymer Science, 2015

Postgraduate, Single-Component Nylon-6 Composites, North Carolina State University, College Of Textiles, Textile Chemistry, 2011

### Research Areas

Technical Sciences, Textile Engineering and Technology, Textile Materials

### Scientific Refereeing

Journal of Inclusion Phenomena (JIPH), SCI Journal, December 2016

Advanced Materials, SCI Journal, November 2016

International Journal of Pharmaceutics, SCI Journal, October 2016

Gels, SCI Journal, September 2016

Applied Surface Science (APSUSC)/, SCI Journal, January 2016

### Edit Congress and Symposium Activities

Surface instabilities and Multifunctional Properties of Large Area Monolayer MoS<sub>2</sub>, Attendee, United States Of America, 2016

Optimizing MoS<sub>2</sub> for Hydrogen Evolution Through Substrate and Strain Effects, Attendee, United States Of America, 2016

Controlling the Surface Morphology and Multifunctional Properties of Large Area Monolayer MoS<sub>2</sub>, Attendee, United States Of America, 2016

Improving Fibers via Processing From or With Their Inclusion Compounds, Attendee, United States Of America, 2015

Controlled Scalable Synthesis and Perfect Transfer of Centimeter Scale Monolayer and Fewlayer MoS<sub>2</sub> Films, Attendee, United States Of America, 2015

Coalesced Poly (ε-caprolactone) Fibers are Stronger, Attendee, United States Of America, 2015  
High Quality Transfer of Large-Area Monolayer and Few-Layer MoS<sub>2</sub> Films, Attendee, United States Of America, 2014  
Instant Transfer of 2-D MoS<sub>2</sub> Films, Attendee, United States Of America, 2014  
Electric-field tuning phonon in single layer WS<sub>2</sub>, Attendee, United States Of America, 2014  
High Quality Transfer of Large-Area Monolayer and Few-Layer MoS<sub>2</sub> Films, Attendee, United States Of America, 2013  
Employing coalesced polymer in self-reinforced composites, Attendee, United States Of America, 2013  
Combined Experimental and Simulation Approach to Tailor the Microstructures of Polymer Materials Through Inclusion Complex Formation and Subsequent release, Attendee, United States Of America, 2013  
Competitive Threading of Guest Polymers by Host Cyclodextrins: Modelling and Experimental Observations, Attendee, United States Of America, 2012  
Competitive Threading of Guest Polymers by Host Cyclodextrins: Modelling and Experimental Observations, Attendee, North Carolina, United States Of America, 2012  
Nano-structuring Polymers with Cyclodextrins, Attendee, United States Of America, 2012  
Comparative Threading of Guest Polymers by Host Cyclodextrins: Modeling and Experimental Observations, Attendee, United States Of America, 2012  
Self-Reinforced PCL/PCL Composites, Attendee, United States Of America, 2012  
Self-Reinforced PCL/PCL Composites, Attendee, United States Of America, 2012  
Nylon-6/Nylon-6 Self-Reinforcement Composite. Proceedings, Attendee, United States Of America, 2011  
Polymers Nano-structured with Cyclodextrins are Telling Us Something, Attendee, North Carolina, United States Of America, 2011  
Self-Reinforced Single-Component Polymer Composites, Attendee, United States Of America, 2011  
Nylon-6/Nylon-6 Self-Reinforcement Composite. Proceedings, Attendee, United States Of America, 2011  
Self-Reinforcement of Polymer Composites, Attendee, United States Of America, 2011

## Citations

Total Citations (WOS):441

h-index (WOS):10