

# Curriculum Vitae

**DENIZ TUNC**

## Personal Information

**Date of birth :** 17/04/1988

**Place of birth :** Bakirkoy, Istanbul/Turkey

**Address :** King Abdullah University of Science and Technology (KAUST), Bldg Ibn Sina(#3) West, Level 4, Room 4216, Thuwal 23955-690 Kingdom of Saudi Arabia

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## Education

- 07/2015-present** Postdoctoral Fellow, King Abdullah University of Science and Technology, Saudi Arabia with Prof. Nikos Hadjichristidis
- 2011-2014** PhD. in Polymer Chemistry, University of Bordeaux, Bordeaux, France, University of Liege, Liege, Belgium, BASF AG, Polymer laboratory, Ludwigshafen, Germany. International doctoral school in functional materials fellow, Research area: “Design and development of new polyamide by ring opening polymerization for high performance composite materials” Advisors: Prof. Stephane Carlotti, Dr. Philippe Lecompte and Dr. Philippe Desbois
- 2009-2011** M.Sc.in Organic Chemistry, Istanbul Technical University, Istanbul, Turkey  
Master Thesis: Synthesis and Characterization of Thioxanthone Based Photoinitiators via Click Chemistry Advisor: Prof. Yusuf Yagci
- 2005–2009** B.Sc. in Chemistry, Trakya University, Edirne, Turkey

## Research Experience

- Macromolecular engineering via versatile polymerization techniques (Anionic ring opening polymerization (AROP), Ring opening polymerization (ROP), Controlled polymerization techniques (ATRP, NMP, RAFT), Click chemistry, Photopolymerization
- Stimuli responsive materials
- Anionic polyamide 6 (nylon 6) chemistry
- Chain-growth condensation polymerization

## Qualifications

**Modern Analytical Methods:** UV Spectroscopy, FT-IR Spectroscopy, Fluorescence spectroscopy, SEC, DSC, PhotoDSC, TGA, NMR, DMA.

## Languages:

- Turkish, native or bilingual proficiency
- English, full professional proficiency
- French, limited working proficiency

## Publications

1. Synthesis of aliphatic polyamide bearing fluorinated groups from  $\epsilon$ -caprolactam and modified cyclic lysine. **D. Tunc**, H. Bouchekif, B. Améduri, C. Jérôme, P. Desbois, P. Lecomte, S. Carlotti, *European Polymer Journal*, 71, 575–584, (2015)
2. Reversible Cross-Linking of Aliphatic Polyamides Bearing Thermo- and Photoresponsive Cinnamoyl Moieties. **D. Tunc**, C. Le Coz, M. Alexandre, P. Desbois, P. Lecomte, S. Carlotti, *Macromolecules*, 47, 8247–8254 (2014)
3. Controlled synthesis of crosslinked polyamide 6 using a bis-monomer derived from cyclized lysine. H. Bouchékif, **D. Tunc**, C. Le Coz, A. Deffieux, P. Desbois, S. Carlotti. *Polymer*, 55, 5991–5997 (2014)
4. An amphiphathic thioxanthone-anthracene photoinitiator for free-radical polymerization. **D. Tunc**, B. Gacal, Y. Yagci, *Turkish Journal of Chemistry*, 37, 525-537 (2013)
5. Polyether synthesis: From activated or metal-free anionic ring-opening polymerization of epoxides to functionalization. A.L. Brocas, C. Mantzaridis, **D. Tunc**, S. Carlotti, *Progress in Polymer Science*, 38, 845–873 (2013)
6. Sorption and Desorption of PVA-Pyrene Chains in and out of Agarose Gel. S. Kara, B. Gacal, **D. Tunc**, Y. Yagci, O. Pekcan, *Journal of Fluorescence*, 22, 1073-1080 (2012)
7. Thioxanthone-ethylcarbazole as a soluble visible light photoinitiator for free radical and free radical promoted cationic polymerizations. **D. Tunc**, Y. Yagci. *Polymer Chemistry*, 2, 2557-2563 (2011)

## Selected Presentations

1. Poster presentation at 24<sup>th</sup> National Chemistry Conference, August 2010, Zonguldak, Turkey.
2. Poster presentation at 9<sup>th</sup> International Conference on Advanced Polymers via Macromolecular Engineering, October 2011, Cappadocia, Turkey.
3. Poster Presentation at the European Polymer Congress, June 2013, Pisa, Italy.
4. Poster presentation at 10<sup>th</sup> International Conference on Advanced Polymers via Macromolecular Engineering, August 2013, Durham, UK.
5. Oral and poster presentations at 2<sup>nd</sup> IDS-FunMat international scientific meeting, June 2012, Anglet, France
6. Oral and poster presentations at 3<sup>th</sup> IDS-FunMat international scientific meeting, March 2013, Annecy, France
7. Oral and poster presentations at 4<sup>th</sup> IDS-FunMat international scientific meeting, March 2014, Spa, Belgium
8. Oral presentation at MACRO2014 international scientific meeting, July 2014, Chiang Mai, Thailand