

SELIM BEYAZIT

Postdoctoral Researcher at King Abdullah University of Science and Technology (KAUST), Saudi Arabia
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Education

- 2012–2014 PhD. in Génie Enzymatique et Cellulaire, Compiègne University of Technology, Compiègne, France
Nanodrug initial training network Marie Curie Actions MCITN-2011-289554
Research area: “Stimuli responsive drug delivery systems, Synthesis of core-shell nanoparticles for bio-labeling applications, Synthesis of Molecularly imprinted polymers for protein recognition” Advisor: Prof. Karsten Haupt
- 2009–2011 M.Sc.in Organic Chemistry, Istanbul Technical University.

Master Thesis: Long wavelength photoinitiated free radical polymerization using conjugated thiophene derivatives in the presence of onium salts Advisor: Prof. Dr. Yusuf Yagci
- 2003–2009 B.Sc. in Chemistry, Izmir Institute of Technology

Research Experience

- Development of new photopolymerization systems
- Macromolecular engineering via versatile polymerization techniques (Cationic ring opening polymerization (CROP), Ring opening polymerization (ROP), Controlled radical polymerization techniques (ATRP, NMP, RAFT), Click chemistry)
- Synthesis, characterization and modification of nanoparticles for drug delivery applications
- Stimuli responsive materials
- Molecularly imprinted polymers for detection, purification and drug delivery
- Development of novel bio-labeling systems by using traditional fluorophores and upconverting nanoparticles

Qualifications

Modern Analytical Methods:

UV Spectroscopy, FT-IR Spectroscopy, Fluorescence spectroscopy
GPC, DSC, Photo DSC, TGA.

Excellent Computing Skills:

Microsoft Windows 95/98/NT/XP/Vista, Word, Excel, PowerPoint, Chem Office, OriginPro7.5.

Publications

- Yilmaz G, Beyazit S, Yagci Y, “Visible light induced free radical promoted cationic polymerization using thioxanthone derivatives”, *Journal of Polymer Science Part A: Polymer Chemistry*, **2011**, 49(7), 1591-1596.
- Beyazit S, Aydogan B, Osken I, Ozturk T, Yagci Y, “Long wavelength photoinitiated free radical polymerization using conjugated thiophene derivatives in the presence of onium salts”, *Polymer Chemistry*, **2011**, 2(5), 1185-1189.
- Poly(p-phenylenemethylene) Based Block Copolymers by Mechanistic Transformation Tasdelen MA, **Beyazit S**, Gunes D, Bicak N, Tatar P, Demirel AL, Yagci Y, *Journal of Polymer Science Part A: Polymer Chemistry* **2011**, 49(18), 4021-4026.

- Diazonium salts and surface-confined radical photopolymerization for bioactive polymer grafts: A new strategy Gam-Derouich S, Lamouri A, Redeuilh C, Decorse P, Maurel F, Carbonnier B, **Beyazit S**, Yilmaz G, Yagci Y, Chehimi MM, Langmuir, **2012**, 28(21), 8035-8045.
- Solid-phase synthesis of molecularly imprinted nanoparticles for protein recognition Ambrosini S, **Beyazit S**, Haupt K, Tse Sum Bui B, Chem. Commun., **2013**, 49, 6746-6748
- One-pot synthesis of water soluble iniferter-bound polystyrene core nanoparticles for the controlled grafting of multilayer shells Marchyk N, Maximillien J, **Beyazit S**, Haupt K, Tse Sum Bui B, Nanoscale, 2014, 6 (5), 2872 - 2878
- Versatile synthesis strategy for coating upconverting nanoparticles with polymer shells by localized photopolymerization using the particles as internal light sources **Beyazit S**, Ambrosini S, Marchyk N, Kale V, Tse Sum Bui B., Soukka T., Haupt K., Angewandte Chemie International Edition 53 (34), 8919-8923
- Initiator-free synthesis of molecularly imprinted polymers by polymerization of self-initiated monomers Panagiotopoulou M, **Beyazit S**, Nestora S, Haupt K, Tse Sum Bui B, Polymer 66, 43-51

Meetings Attended

POSTER PRESENTATIONS

- Poster presentation at 24th. National Chemistry Conference, August 2010, Zonguldak, Turkey.
- Poster presentation at 9th International Conference on Advanced Polymers via Macromolecular Engineering, October 2011, Capadocia, Turkey.
- Poster presentation at the European Polymer Congress, June 2013, Pisa, Italy.
- Poster presentation at 10th International Conference on Advanced Polymers via Macromolecular Engineering, October 2011, Durham, UK.
- Poster presentation at 27th GTRV scientific meeting, December 2012 Paris, France

ORAL PRESENTATIONS

- 1st NANODRUG international scientific meeting June 2012, London, United Kingdom
- 2nd NANODRUG international scientific meeting, September 2013, Biarritz, France
- 3rd NANODRUG international scientific meeting, July 2014, Coimbra, Portugal
- MACRO2014 international scientific meeting, July 2014, Chiang Mai, Thailand

References

Prof. Dr. Yusuf Yagci

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Prof. Dr. Karsten Haupt

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