



## Saeed Bastani

Professor

Faculty: Surface Coating and Novel Technologies  
Faculty

Department: Department of Surface Coating and  
Corrosion

---

## Awards

### Institute Excellence Awards for academic staffs, ICST 2014

Awarded May 2015

### Iran Color Council Excellence Awards for academic staffs, ICC 2014

Awarded February 2015

### Institute Excellence Awards for academic staffs, ICST 2013

Awarded April 2014

## Papers in Conferences

---

1. S Jafarifard , S Bastani , AS Gorgani , M Ganjaee ,Investigating the Effect of a Polyester-amide based Modified Hyperbranched Polymer on Curing Behavior of Low-Viscosity UV-Curable Blend ,11th International Seminar on Polymer Science and Technology ,2014 10 6.

## Papers in Journals

- 
1. AJ Kandelooos , S Bastani , S Mashayekhan. PhD Bioprinting and Natural Bioinks: Principles and Applications. Journal of Studies in Color World. ۲۰۲۱.
  2. A Sukhtesaraie , M Azadfallah , S Bastani. Adhesion improvement of water-based flexographic inks on polyethylene coated paperboard by silane adhesion promoters. Iranian Journal of Wood and Paper Science Research. ۲۰۱۸.
  3. F Anabestani , S Bastani , M Ataefard. UV-Curable Toners: Production and Film Formation in Electrophotographic Printing. Journal of Studies in Color World. ۲۰۱۶ ۶ ۲۱.
  4. E Bakhshandeh et al., High-performance water-based UV-curable soft systems with variable chain architecture for advanced coating applications, Progress in Organic Coatings, 2019 2 5.
  5. MM Irani , F Nourmohammadian , S Bastani , F Najafi, Development of diketopyrrolopyrrole fluorescent dyes with different alkyl chain length in organic film: photophysical and rheological properties, Progress in Organic Coatings, 2019 2 26.
  6. Down-conversion particles as internal UV-source assist in UV-curing systems: Physical and mechanical properties of UV-curable micro-composites, Progress in Organic Coatings, 2018 6 15.

7. Photophysical properties of novel functionalized fluorescent dyes based on diketopyrrolopyrrole and application in inkjet printing ink, *Journal of Luminescence*, 2018 3 29.
8. M Jalili , S Bastani , M Ghahari , E Mohajerani, The use of upconversion microparticles as a novel internal radiation source for fabrication of composite materials, *Polymer Composites*, 2018 2 7.
9. M Jalil , S Basatani , M Ghahari , E Mohajerani, NaLuF<sub>4</sub>: Yb, Tm up-conversion materials: Investigation of UV emission intensity by experimental design, *Advanced Powder Technology*, 2018 1 19.
10. Network formation and thermal stability enhancement in evolutionary crosslinked PDMS elastomers with sol-gel-formed silica nanoparticles: Comparativeness between as-received and pre-hydrolyzed TEOS, *Progress in Organic Coatings*, 2017 9 18.
11. NIR induced photopolymerization of acrylate-based composite containing upconversion particles as an internal miniaturized UV sources, *Progress in Organic Coatings*, 2017 3 1.
12. et al., Manipulating the Surface Structure of Hybrid UV Curable Coatings through Photopolymerization-Induced Phase Separation: Influence of Inorganic Portion and Photoinitiator Content, *Macromolecular Chemistry and Physics*, 2017 12 29.
13. M Sarrafi , B Kaffashi , S Bastani, Investigation of cure advancement in dual-cure polyurethane-acrylate coatings over metal substrates, *Journal of Coatings Technology and Research*, 2017 12 22.
14. M Mohseni et al., Effect of scattering nanoparticles on the curing behavior and conversion gradient of UV-curable turbid systems: two-flux Kubelka-Munk approach, *Progress in Organic Coatings*, 2017 11 20.
15. S Bastani , & MK Darani, Carbon Nanotube-Based UV-Curable Nanocomposite Coatings, *Carbon Nanotubes: Current Progress of their Polymer Composites*, 2016 7 20.
16. MMR Nayinia et al., Rheological investigation of the gel time and shrinkage in hybrid organic/inorganic UV curable films, *Journal of Photopolymer Science and Technology*, 2016 6 21.
17. P Kardar , M Ebrahimi , S Bastani, UV curing behavior and mechanical properties of unpigmented and pigmented epoxy acrylate/SiO<sub>2</sub> nanocomposites, *Journal of Thermal Analysis and Calorimetry*, 2016-6.
18. F Mirshahi , S Bastani , MG Sari, Studying the effect of hyperbranched polymer modification on the kinetics of curing reactions and physical/mechanical properties of UV-curable coatings, *Progress in Organic Coatings*, 2016 1 1.
19. The chemo-rheological behavior of an acrylic based UV-curable inkjet ink: Effect of surface chemistry for hyperbranched polymers, *Progress in Organic Coatings*, 2016 1 1.
20. S Bastani , & P Kardar, Radiation-Curable Smart Coatings, *Industrial Applications for Intelligent Polymers and Coatings*, 2016.
21. S Soroushnia , S Bastani , MM Bozorgi , M Rostami, Surface properties and surface patterning of UV-curable coating using perfluorosilane-treated nanosilica, *Progress in Organic Coatings*, 2015 8 1.
22. MK Darani , S Bastani , M Ghahari , P Kardar, An experimental design approach for hydrothermal synthesis of NaYF<sub>4</sub>: Yb<sup>3+</sup>, Tm<sup>3+</sup> upconversion microcrystal: UV emission optimization, *Optical Materials*, 2015 11 1.
23. S Bastani , & M Mohseni, UV-Curable Nanocomposite Coatings and Materials, *Handbook of Nanoceramic and Nanocomposite Coatings and Materials*, 2015 1 1.
24. M Mohseni , S Bastani , A Jannesari, Effects of silane precursors on curing behavior of UV-curable hybrid coatings, *Journal of Thermal Analysis and Calorimetry*, 2015-1.
25. F Talebnia , F Nourmohammadian , S Bastani, Development of novel fluorescent offset ink based on coumarin dyes: Synthesis and properties, *Progress in Organic Coatings*, 2014 9 1.
26. F Mirshahi , S Bastani , M Ganjaee Sari, Surface Modification of Polyesteramide-Based Hyperbranched Polymer Using Acrylic Acid and Study of its Impact on the Viscosity of TMPTA, *Journal of Color Science and Technology*, 2014 12 22.
27. P Kardar , M Ebrahimi , S Bastani, Influence of temperature and light intensity on the photocuring process and kinetics parameters of a pigmented UV curable system, *Journal of Thermal Analysis and Calorimetry*, 2014-10.