



## Pooneh Kardar

Associate Professor

Faculty: Surface Coating and Novel Technologies  
Faculty

Department: Department of Surface Coating and  
Corrosion

### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	15

### Papers in Journals

1. Amir samadi Najibzad, Reza Amini, Mehran Rostami, Pooneh Kardar, Michele Fedel, Active corrosion performance of magnesium by silane coatings reinforced with polyaniline/praseodymium, *Progress in Organic Coatings*, 2020.
2. Reza Mahmudi, Pooneh Kardar, Amir Masud Arabi, Reza Amini, Pourya Pasbakhsh, Acid-modification and praseodymium loading of halloysite nanotubes as a corrosion inhibitor, *Applied Clay Science*, 2020.
3. Reza Mahmudi, Pooneh Kardar, Amir Masud Arabi, Reza Amini, Pourya Pasbakhsh, The active corrosion performance of silane coating treated by praseodymium encapsulated with halloysite nanotubes, *Progress in Organic Coatings*, 2020.
4. Pooneh Kardar, Reza Amini, Self-cleaning treatment on historical stone surface via titanium dioxide nanocoatings, *Pigment & Resin Technology*, 2019.
5. Masoomeh Kaviani, Saeed Bastani, Mehdi Ghahari, Pooneh Kardar, Down-conversion particles as internal UV-source assist in UV-curing systems: physical and mechanical properties of UV curable micro-composite, *Progress in Organic Coatings*, 2018.
6. Yasaman Hayatgheib, Bahram Ramezanzadeh, Pooneh Kardar, Mohammad Mahdavian, A comparative study on fabrication of a highly effective corrosion protective system based on grapheme oxide-polyaniline nanofibers/epoxy composite, *Corrosion Science*, 2018.
7. Bahram Ramezanzadeh, Maryam Akbarian, ..., Pooneh Kardar, Corrosion protection of steel with zinc phosphate conversion coating and Post-treatment by hibryd organic-Inorganic sol-gel based silane film, *Journal of Electrochemical society*, 2017.
8. Mohammad Mahdavian, Bahram Ramezanzadeh, Maryam Akbarian, Mohammad Ramezanzadeh, Pooneh Kardar, Iman Alibakhshi, Enhancement of silane coating protective performance by using a polydimethylsiloxane additive, *Journal of Industrial and Engineering Chemistry*, 2017.
9. Arash Haddadi, Farhang Abbasi, Pooneh Kardar, Mohammad Mahdavian, Effect of nano-silica and boron carbide on the curing kinetics of resole resin, *Journal of thermal analysis and clorimetry*, 2017.

10. Bahram Ramezanzadeh, Pooneh Kardar,..., Mohammad Mahdavian, Fabrication of a highly Tunable grapheme oxide composite through layer by layer assembly of highly crystalline polyaniline nanofibers and green corrosion inhibitors: complementary experimental and first principle quantum mechanics modelling approaches, *The journal of Physical chemistry C*, 2017.
11. Masoomeh Kaviani, Saeed Bastani, Mehdi Ghahari, Pooneh Kardar, NIR induced photopolymerization of acrylate based composite containing upconversion particles as an internal miniaturized UV source, *Progress in Organic Coatings*, 2017.
12. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, UV curing behavior and mechanical properties of unpigmented and pigmented epoxy acrylate/SiO<sub>2</sub> nanocomposite, *Journal of Thermal Analysis and Calorimetry*, 2016.
13. Pooneh Kardar, The effect of polyurethane-isophorene microcapsules on self-healing properties of an automotive clearcoat, *Pigment & Resin Technology*, 2016.
14. Masoomeh Kaviani, Saeed Bastani, Mehdi Ghahari, Pooneh Kardar, An experimental design approach for hydrothermal synthesis of NaYF<sub>4</sub>: Yb<sub>3</sub>, Tm<sub>3</sub> upconversion microcrystal: UV emission optimization, *Optical Materials*, 2015.
15. Pooneh Kardar, Preparation of polyurethane microcapsules with different polyols component for encapsulation of isophorene diisocyanate healing agent, *Progress in Organic Coatings*, 2015.
16. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, Study the curing behavior and mechanical properties of pigmented UV curable epoxy acrylate in the presence of different acrylate monomers, *Progress in color, colorant and coatings*, 2014.
17. Pooneh Kardar, Morteza Ebrahimi, Saeed 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.
18. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, Curing behaviour and mechanical properties of pigmented UV-curable epoxy acrylate coatings, *Pigment & Resin Technology*, 2014.
19. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, Mojtaba Jalili, Using mixture experimental design to study the effect of multifunctional acrylate monomers on UV cured epoxy acrylate resins, *Progress in Organic Coatings*, 2009.
20. سید علی نظام زاده رضا امینی پونه کاردر، بهبود ترک‌پذیری در پوشش‌های تبدیلی بر پایه عناصر خاکی کمیاب، نشریه مطالعات در دنیای رنگ، ۱۴۰۳.
21. P Kardar, R Amini, A study on the effect of surface topography of antifouling coatings on the settlement of fouling organisms, *Pigment & Resin Technology*, 2024.
22. R Amini, P Kardar, Using mixture experimental design to study the effect of phosphating bath formulation on the properties of magnesium substrate, *Pigment & Resin Technology*, 2024.
23. P Kardar, R Amini, Influence of surface preparations of wood on the wetting and adhesion of coating, *Pigment & Resin Technology*, 2024.
24. R Amini, P Kardar, Studying the properties of polypyrrole-montmorillonite polyacrylic-urethane nanocomposite coatings: the role of an eco-friendly ionic liquid, *Pigment & Resin Technology*, 2023.
25. P Kardar, R Amini, Studying the active corrosion inhibition effect of the Ce<sup>3+</sup>/2- mercaptobenzothiazole loaded NaY zeolite/Zn-Al LDH based containers in a silane coating, *Progress in Color, Colorants and Coatings*, 2022.
26. PN Moghaddam, R Amini, P Kardar, B Ramezanzadeh, Synergistic corrosion inhibition effects of the non-hazardous cerium nitrate and tannic acid polyphenolic molecules on the surface of mild-steel in chloride-containing solution ..., *Journal of Molecular Liquids*, 2021.
27. PN Moghaddam, R Amini, P Kardar, B Ramezanzadeh, Epoxy-ester coating reinforced with cerium (III)-tannic acid-based hybrid pigment for effective mild-steel substrate corrosion protection, *Progress in Organic Coatings*, 2021.
28. M Saket, R Amini, P Kardar, M Ganjaee, The chemical treatment of the AZ31-Magnesium alloy surface by a high-performance corrosion protective praseodymium (III)-based film, *Materials Chemistry and Physics*, 2021.

29. Pooneh Kardar, Morteza Ebrahimi, Saeed Bastani, Study the effect of nano-alumina particles on physical–mechanical properties of UV cured epoxy acrylate via nano-indentation, *Progress in Organic Coatings*, 2008.
30. PN Moghaddam, R Amini, P Kardar, B Ramezanzadeh, Epoxy-ester coating reinforced with cerium (III)-tannic acid-based hybrid pigment for effective mild-steel substrate corrosion protection, *Progress in Organic Coatings*, 2021.