Curriculum Vitae

Dr. Ali Olad

● *Personal Data*

Name: Ali

Surname: Olad

Date of Birth: 26th July 1972

Nationality: Iranian

Sex: Male

Marital Status: Married

Tel: +98 413 3393164

Fax: +98 413 3340191

E-mail: a_oladgz@tabrizu.ac.ir and a.olad@yahoo.com

ORCID: 0000-0003-0738-1195

Degree: Professor

H-index: 47

Educational Background:

Certificate Degree	Field of Specialization	Name of Institution Attended	Date Received
PhD	Applied Chemistry (Polymer Composites & Conducting Polymers)	University of Tabriz, Iran	2003
MSc	Applied Chemistry (Corrosion & Polymeric Coatings)	University of Tabriz, Iran	1997
BSc	Applied Chemistry	University of Tabriz, Iran	1995

Teaching Experiences:

Title of Course	Level	Dates		Name of Institution
		From	To	
Conducting Polymers	PhD	2006	2010	University of Tabriz
Industrial Chemistry 2	BSc	1997	Continuing	University of Tabriz
Industrial Electrochemistry	BSc	2003	2017	University of Tabriz
Coatings and Adhesives	PhD	2012	Continuing	University of Tabriz
Polymer Composites and Nanocomposites	MSc	2010	Continuing	University of Tabriz
Physical and Mechanical Properties of Polymers	MSc	2010	Continuing	University of Tabriz

Research Interests:

1. Polymer composites and nanocomposites
2. Surface modification and polymer coatings
3. Conducting polymers and blends
3. Polymer hydrogels
3. Corrosion and electrochemistry

Publications

Preparation of PTSLIPS coatings using polyurethane-based nanocomposite and investigation of their hydrophobicity and anti-icing properties M Kouhi, A Olad, A Mirmohseni, B Pourabbas Progress in Organic Coatings 204, 109246	1	2025
Fluorine-Free Hydrophobic Powder Coatings: A Sustainable Approach Using Functionalized Biogenic SiO2 for Anticorrosion and Antifouling Applications Z Nazarlou, H Najjari, A Olad, U Aydemir Surfaces and Interfaces, 106881		2025
High Chrome Exhaustion by Using Oxidized Tragacanthin as a Natural Pre-Tanning Agent in Leather Industry M Bastanian, A Olad, M Ghorbani Journal of the American Leather Chemists Association 120 (5), 229-242		2025
Sustainable chrome-free leather manufacturing through the aldehyde-vegetable combination tanning method based on biomass-derived dialdehyde carboxymethyl cellulose and mimosa … M Bastanian, A Olad, M Ghorbani International Journal of Biological Macromolecules 306, 141554	1	2025
Preparation of interpenetrating networks from chitosan and poly (hydroxypropyl methacrylate) or p (hydroxyethyl methacrylate) for controlled release of doxorubicin and curcumin … F Shakouripour, A Olad, G Bayramoglu International Journal of Biological Macromolecules 301, 140929	3	2025
Anti-icing and antibacterial super-hydrophobic poly (dimethyl siloxane) coatings modified with silica, TiO2, Ag3PO4, and CuO nanoparticles F Fathi, Z Nazarlou, U Aydemir, A Olad Materials Chemistry and Physics 333, 130333	3	2025
An injectable chitosan based dual thermo/pH-responsive fast gelling hydrogel loaded by methotrexate/curcumin as local drug delivery system of breast cancer S Ahmadi, A Olad, M Fathi, O Molavi Journal of Drug Delivery Science and Technology 104, 106540	9	2025
Optimization of delignification and cellulose isolation process from natural cotton pods and preparation of its nanofibers with choline chloride–lactic acid eutectic solvents H Soleimanzadeh, D Salari, A Olad, A Ostadrahimi Biomass Conversion and Biorefinery 15 (2), 2063-2079	14	2025
Gelatin-carboxymethyl cellulose/iron-based metal-organic framework nanocomposite hydrogel as a promising biodegradable fertilizer	10	2024

release system: Synthesis, characterization … M Akbarzadeh, A Olad, D Salari, A Mirmohseni International Journal of Biological Macromolecules 279, 135316		
Investigation of antibacterial properties and sustained release of *Centella Asiatica* extract from Fe-MOF-reinforced gelatin-based hydrogels S Hezari, A Olad, A Dilmaghani Polymer Bulletin 81 (16), 14701-14725	2	2024
Efficient lithium separation from alkali metal brine with ultrasonic assisted composite ionic liquid membrane processing B Golmohammadi, H Shekaari, A Rostami, A Olad Desalination 587, 117911	4	2024
Preparation of hydrogels based on okra pods/chia seeds mucilage for drug delivery application S Fazli, S Hezari, A Olad Polymer Bulletin 81 (13), 11539-11562	3	2024
Effect of glutaraldehyde and calcium chloride as different crosslinking agents on the characteristics of chitosan/cellulose nanocrystals scaffold (vol 208, pg 912, 2022) F Doustdar, A Olad, M Ghorbani INTERNATIONAL JOURNAL OF BIOLOGICAL MACROMOLECULES 267		2024
Corrigendum to “Effect of glutaraldehyde and calcium chloride as different crosslinking agents on the characteristics of chitosan/cellulose nanocrystals scaffold”[Int. J. Biol … F Doustdar, A Olad, M Ghorbani International Journal of Biological Macromolecules 267, 131382		2024
Tuning a green carboxymethyl cellulose-based pre-tanning agent via peroxide oxidation for high chrome exhaustion in leather industry M Bastanian, A Olad, M Ghorbani International Journal of Biological Macromolecules 265, 131133	11	2024
Fabrication of magnetic nanocomposite scaffolds based on polyvinyl alcohol-chitosan containing hydroxyapatite and clay modified with graphene oxide: evaluation of their … A Babakhani, SJ Peighambardoust, A Olad Journal of the Mechanical Behavior of Biomedical Materials 150, 106263	36	2024
Hybrid cross-linked nanocomposite hydrogels based on *Elaeagnus angustifolia* gum: effect of clay content on water uptake and gel characteristics A Olad, Z Allami, MJ Hejazi, M Eslamzadeh, F Fathi, S Hezari Polymer Bulletin 81 (1), 351-372	2	2024
Optimization of cellulose extraction process from sugar beet pulp and preparation of its nanofibers with choline chloride–lactic acid deep	18	2023

eutectic solvents H Soleimanzadeh, FM Bektashi, SZ Ahari, D Salari, A Olad, A Ostadrahimi Biomass Conversion and Biorefinery 13 (16), 14457-14469		
Facile fabrication of durable and fluorine-free liquid infused surfaces on aluminum substrates with excellent anti-icing, anticorrosion, and antibiofouling properties M Sattari, A Olad, F Maryami, I Ahadzadeh, K Nofouzi Surfaces and Interfaces 38, 102860	31	2023
Graphene Oxide Nanocomposite Hydrogels Based on Mucilage Extracted from *Ocimum basilicum* Seeds Grafted by Acrylate Polymers; Assay on Physicochemical … A Olad, R Gordani, M Eslamzadeh, M Mollaei Journal of Polymers and the Environment 31 (6), 2399-2414	5	2023
Fibrous electrospun polycaprolactone nanomat reinforced with halloysite nanotubes: Preparation and study of its potential application as tissue engineering scaffold HB Hagh, LD Unsworth, F Doustdar, A Olad Polymers for Advanced Technologies 34 (5), 1671-1685	7	2023
Preparation of self-healable nanocomposite hydrogel based on Gum Arabic/gelatin and graphene oxide: Study of drug delivery behavior S Rahmani, A Olad, Z Rahmani Polymer Bulletin 80 (4), 4117-4138	35	2023
Study of Titanium/Vanadium Ziegler–Natta hybrid catalysts performance in slurry-phase ethylene polymerization for producing polyethylene with broad/bimodal molecular weight … M Zeynali, H Ranjbarbaranlo, A Olad Journal of Polymer Research 30 (3), 100	1	2023
Preparation of magnetic inulin nanocomposite and its application in the removal of methylene blue and heavy metals from aqueous solution AA Herab, D Salari, A Ostadrahimi, A Olad Materials Chemistry and Physics 291, 126580	14	2022
Carboxymethyl cellulose-based semi-IPN hydrogel nanocomposite with improved physicochemical and mechanical properties A Olad, J Aghayan, H Gharekhani, M Akbarzadeh Journal of Polymer Research 29 (11), 460	16	2022
Modified gelatin/iron-based metal-organic framework nanocomposite hydrogel as wound dressing: Synthesis, antibacterial activity, and Camellia sinensis release S Hezari, A Olad, A Dilmaghani International Journal of Biological Macromolecules 218, 488-505	50	2022
Evaluating the effect of graphene oxide PEGylation on the properties of chitosan-graphene oxide nanocomposite scaffold	3	2022

H Bakhtkhosh Hagh, LD Unsworth, A Olad
Journal of Biomedical Materials Research Part B: Applied Biomaterials 110 …

Synthesis of innovative TiO. sub. 2-inulin-Fe. sub. 3O. sub. 4 nanocomposite for removal of Ni (II), Cr (III), crystal violet and malachite green from aqueous solutions. AA Herab, D Salari, A Ostadrahimi, A Olad Journal of Polymer Research 29 (8), NA-NA		2022
Synthesis of innovative TiO_2-inulin-Fe_3O_4 nanocomposite for removal of Ni (II), Cr (III), crystal violet and malachite green from aqueous solutions A Amini Herab, D Salari, A Ostadrahimi, A Olad Journal of Polymer Research 29 (8), 321	7	2022
Removal of heavy metals from polluted water using magnetic adsorbent based on κ-carrageenan and N-doped carbon dots Z Rahmani, M Ghaemy, A Olad Hydrometallurgy 213, 105915	49	2022
The effect of montmorillonite in graphene oxide/chitosan nanocomposite on controlled release of gemcitabine F Farshi Azhar, M Rezaei, A Olad, H Mousazadeh Polymer Bulletin 79 (8), 5861-5883	28	2022
Effect of glutaraldehyde and calcium chloride as different crosslinking agents on the characteristics of chitosan/cellulose nanocrystals scaffold F Doustdar, A Olad, M Ghorbani International journal of biological macromolecules 208, 912-924	84	2022
Fabrication of slippery lubricant-infused porous surface for inhibition of microorganism adhesion on the porcelain surface F Maryami, A Olad, K Nofouzi Journal of Industrial and Engineering Chemistry 108, 308-320	12	2022
Development of a novel reinforced scaffold based on chitosan/cellulose nanocrystals/halloysite nanotubes for curcumin delivery F Doustdar, A Olad, M Ghorbani Carbohydrate polymers 282, 119127	53	2022
CHITOSAN-NANOCRYSTALLINE CELLULOSE SCAFFOLDS FOR BONE TISSUE ENGINEERING: EFFECT OF TWO DIFFERENT CROSSLINKING AGENTS ON THE PHYSICOCHEMICAL PROPERTIES OF THE SCAFFOLDS F Doustdar, A Olad TISSUE ENGINEERING PART A 28, S525-S525		2022
REINFORCEMENT OF ELECTROSPUN PCL NANOMATS WITH HALLOYSITE NANOTUBE AS TISSUE ENGINEERING SCAFFOLDS HB Hagh, A Olad		2022

TISSUE ENGINEERING PART A 28, S448-S448

Preparation of Nanocomposite Systems Based on Natural Polymers and Clay for Controlled Release of Cisplatin F Farshi Azhar, A Olad, M Jafarpour Nashrieh Shimi va Mohandesi Shimi Iran 40 (4), 1-19		2022
Fe3O4/PANI nanocomposite core-shell structure in epoxy resin matrix for the application as electromagnetic waves absorber H Talebi, A Olad, R Nosrati Progress in Organic Coatings 163, 106665	36	2022
Facile synthesis of iron (II) doped carbonaceous aerogel as a three-dimensional cathode and its excellent performance in electro-Fenton degradation of ceftazidime from water … A Ahmadi, M Zarei, A Hassani, M Ebratkhahan, A Olad Separation and Purification Technology 278, 119559	107	2021
The effect of silica/zeolite-A nanocomposite on the polyvinyl acetate wood adhesive A Olad, M Anarchi, R Nosrati Scientia Iranica 28 (3), 1953-1961	2	2021
Preparation of nanogels based on kappa-carrageenan/chitosan and N-doped carbon dots: Study of drug delivery behavior Z Rahmani, M Ghaemy, A Olad Polymer Bulletin 78 (5), 2709-2726	30	2021
Potential of slippery liquid infused porous surface coatings as flashover inhibitors on porcelain insulators in icing, contaminated, and harsh environments A Olad, F Maryami, A Mirmohseni, AA Shayegani-Akmal Progress in Organic Coatings 151, 106082	34	2021
Ion-crosslinked carboxymethyl cellulose/polyaniline bio-conducting interpenetrated polymer network: preparation, characterization and application for an efficient removal of Cr … A Olad, M Bastanian, S Aber, H Zebhi Iranian Polymer Journal 30 (2), 105-119	23	2021
Fabrication and characterization of a starch-based superabsorbent hydrogel composite reinforced with cellulose nanocrystals from potato peel waste A Olad, F Doustdar, H Gharekhani Colloids and Surfaces A: Physicochemical and Engineering Aspects 601, 124962	144	2020
Effectiveness of PANI/Cu/TiO_2 ternary nanocomposite on antibacterial and antistatic behaviors in polyurethane coatings A Mirmohseni, M Rastgar, A Olad Journal of Applied Polymer Science 137 (26), 48825	15	2020

Evaluation of in vitro anti-fungal properties of allicin loaded ion cross-linked poly (AA-co-AAm)/PVA/Cloisite 15A Nanocomposite hydrogel films as wound dressing materials A Olad, M Eslamzadeh, F Katiraee, A Mirmohseni Journal of Polymer Research 27 (4), 100	30	2020
Physicochemical evaluation of nanocomposite hydrogels with covalently incorporated poly (vinyl alcohol) functionalized graphene oxide A Olad, M Eslamzadeh, A Mirmohseni Journal of Applied Polymer Science 136 (41), 48025	18	2019
Thermodynamic and kinetic studies of removal process of hexavalent chromium ions from water by using bio-conducting starch–montmorillonite/polyaniline nanocomposite A Olad, M Bastanian, H Bakht Khosh Hagh Journal of Inorganic and Organometallic Polymers and Materials 29 (6), 1916-1926	31	2019
Graphene oxide and montmorillonite enriched natural polymeric scaffold for bone tissue engineering A Olad, HBK Hagh, A Mirmohseni, FF Azhar Ceramics International 45 (12), 15609-15619	52	2019
Polymer/zeolite nano-composite hydrogels as promising water reservoir materials: effect of clinoptilolite content on physicochemical properties A Olad, N Nouri, M Eslamzadeh SN Applied Sciences 1 (8), 868	8	2019
PANI-chitosan-TiO_2 ternary nanocomposite and its effectiveness on antibacterial and antistatic behavior of epoxy coating A Mirmohseni, M Rastgar, A Olad Journal of Applied Polymer Science 136 (23), 47629	23	2019
Ion crosslinked poly(acrylic acid-*co*-acrylamide)/poly(vinyl alcohol)/Cloisite 15A nanocomposite hydrogels as potential wound dressing films: Effect of clay content … A Olad, M Eslamzadeh, A Mirmohseni Polymer Composites 40 (5), 1762-1773	16	2019
Graphene oxide and amin-modified graphene oxide incorporated chitosan-gelatin scaffolds as promising materials for tissue engineering A Olad, HBK Hagh Composites Part B: Engineering 162, 692-702	121	2019
Preparation of PANI–CuZnO ternary nanocomposite and investigation of its effects on polyurethane coatings antibacterial, antistatic, and mechanical properties A Mirmohseni, M Rastgar, A Olad Journal of Nanostructure in Chemistry 8 (4), 473-481	21	2018

Investigation of nonlinear electrical properties of ZnO/PPy nanocomposite and its application as a low-voltage varistor A Olad, S Shakoori, SM Aref Physica B: Condensed Matter 550, 127-135	6	2018
Starch-based semi-IPN hydrogel nanocomposite integrated with clinoptilolite: Preparation and swelling kinetic study A Olad, F Doustdar, H Gharekhani Carbohydrate polymers 200, 516-528	98	2018
A facile and green synthesis route for the production of silver nanoparticles in large scale A Olad, F Ghazjahaniyan, R Nosrati International Journal of Nanoscience and Nanotechnology 14 (4), 289-296	10	2018
The use of graphite/TiO_2 nanocomposite additive for preparation of polyacrylic based visible-light induced antibacterial and self-cleaning coating R Nosrati, A Olad, F Maryami Research on Chemical Intermediates 44 (10), 6219-6237	17	2018
Synthesis, characterization, and swelling kinetic study of porous superabsorbent hydrogel nanocomposite based on sulfonated carboxymethylcellulose and silica nanoparticles A Olad, H Zebhi, D Salari, A Mirmohseni, A Reyhanitabar Journal of Porous Materials 25 (5), 1325-1335	37	2018
Superabsorbent nanocomposite based on maize bran with integration of water-retaining and slow-release NPK fertilizer A Olad, H Gharekhani, A Mirmohseni, A Bybordi Advances in Polymer Technology 37 (6), 1682-1694	57	2018
Slow-release NPK fertilizer encapsulated by carboxymethyl cellulose-based nanocomposite with the function of water retention in soil A Olad, H Zebhi, D Salari, A Mirmohseni, AR Tabar Materials Science and Engineering: C 90, 333-340	266	2018
Electromagnetic interference attenuation and shielding effect of quaternary Epoxy-PPy/Fe3O4-ZnO nanocomposite as a broad band microwave-absorber A Olad, S Shakoori Journal of magnetism and magnetic materials 458, 335-345	65	2018
Visible-light induced anti-bacterial and self-cleaning waterborne polyacrylic coating modified with TiO2/polypyrrole nanocomposite; preparation and characterization R Nosrati, A Olad, F Maryami Journal of Molecular Structure 1163, 174-184	29	2018
Semi-IPN superabsorbent nanocomposite based on sodium alginate and montmorillonite: Reaction parameters and swelling characteristics	126	2018

A Olad, M Pourkhiyabi, H Gharekhani, F Doustdar
Carbohydrate polymers 190, 295-306

The use of adsorption method to preparation of polyaniline/ZnO nanocomposite varistor A Olad, N Asadi, S Mohammadi Aref, R Nosrati Journal of Materials Science: Materials in Electronics 29 (11), 9692-9699	11	2018
A promising porous polymer-nanoclay hydrogel nanocomposite as water reservoir material: synthesis and kinetic study A Olad, H Zebhi, D Salari, A Mirmohseni, A Reyhanitabar Journal of Porous Materials 25 (3), 665-675	39	2018
Preparation and characterization of polyurethane based self-cleaning and antibacterial coating containing silver ion exchanged montmorillonite/TiO_2 nanocomposite A Olad, F Rezvani, R Nosrati Research on Chemical Intermediates 44 (3), 1711-1727	25	2018
Iron/NPK agrochemical formulation from superabsorbent nanocomposite based on maize bran and montmorillonite with functions of water uptake and slow-release fertilizer H Gharekhani, A Olad, F Hosseinzadeh New Journal of Chemistry 42 (16), 13899-13914	28	2018
Water retention and slow release studies of a salep-based hydrogel nanocomposite reinforced with montmorillonite clay A Olad, H Zebhi, D Salari, A Mirmohseni, AR Tabar New Journal of Chemistry 42 (4), 2758-2766	78	2018
A study of the effect of TPU and clay nanoparticles on the mechanical behavior of PBT-based nanocomposites A Chalabi Tehran, K Shelesh-Nezhad, P Faraji Kalajahi, A Olad Mechanics of Advanced Composite Structures 4 (3), 179-186	15	2017
Preparation of an antibacterial, hydrophilic and photocatalytically active polyacrylic coating using TiO2 nanoparticles sensitized by graphene oxide R Nosrati, A Olad, S Shakoori Materials Science and Engineering: C 80, 642-651	80	2017
The use of biodegradable polymers for the stabilization of copper nanoparticles synthesized by chemical reduction method A Olad, M Alipour, R Nosrati Bulletin of Materials Science 40 (5), 1013-1020	27	2017
Synthesis, characterization, and fertilizer release study of the salt and pH-sensitive NaAlg-*g*-poly(AA-*co*-AAm)/RHA superabsorbent nanocomposite A Olad, H Gharekhani, A Mirmohseni, A Bybordi Polymer Bulletin 74 (8), 3353-3377	66	2017

Superabsorbent hydrogel made of NaAlg-g-poly (AA-co-AAm) and rice husk ash: Synthesis, characterization, and swelling kinetic studies H Gharekhani, A Olad, A Mirmohseni, A Bybordi Carbohydrate polymers 168, 1-13	246	2017
Controlled release systems based on intercalated paraquat onto montmorillonite and clinoptilolite clays encapsulated with sodium alginate A Rashidzadeh, A Olad, MJ Hejazi Advances in Polymer Technology 36 (2), 177-185	37	2017
Study of the effect of TiO2/polyaniline nanocomposite on the self-cleaning property of polyacrylic latex coating R Nosrati, A Olad, H Najjari Surface and Coatings Technology 316, 199-209	29	2017
Effect of exfoliated organophilic montmorillonite on the structure and conductivity of polypropylene/polyaniline composites A Olad, F Sadeghvandi, A Mirmohseni Polymer composites 38 (4), 699-707	1	2017
pH sensitive and controlled release system based on cellulose nanofibers-poly vinyl alcohol hydrogels for cisplatin delivery FF Azhar, E Shahbazpour, A Olad Fibers and Polymers 18 (3), 416-423	36	2017
Effects of aluminum surface treatments on the interfacial fracture toughness of carbon-fiber aluminum laminates AZ Zakaria, K Shelesh-nezhad, TN Chakherlou, A Olad Engineering Fracture Mechanics 172, 139-151	80	2017
Mechanics of Advanced Composite Structures K Shelesh-Nezhad, PF Kalajahia, A Olad polymer 5, 8		2017
Study on the synergistic effect of clinoptilolite on the swelling kinetic and slow release behavior of maize bran-based superabsorbent nanocomposite A Olad, H Gharekhani, A Mirmohseni, A Bybordi Journal of Polymer Research 23 (12), 241	20	2016
Study on the capacitive performance of polyaniline/activated carbon nanocomposite for supercapacitor application A Olad, H Gharekhani Journal of Polymer Research 23 (8), 147	28	2016
A new method of preparing gel for DGT technique and application to the soil phosphorus availability test S Heidari, A Reyhanitabar, S Oustan, A Olad Communications in Soil Science and Plant Analysis 47 (10), 1239-1251	14	2016

Preparation and investigation of hydrophilic, photocatalytic, and antibacterial polyacrylic latex coating containing nanostructured TiO2/Ag+-exchanged-montmorillonite composite … A Olad, R Nosrati, H Najjari, K Nofouzi Applied Clay Science 123, 156-165	42	2016
The effect of TiO2/aluminosilicate nanocomposite additives on the mechanical and thermal properties of polyacrylic coatings R Nosrati, A Olad Applied Surface Science 357, 376-384	16	2015
Hydrogel/clinoptilolite nanocomposite-coated fertilizer: swelling, water-retention and slow-release fertilizer properties A Rashidzadeh, A Olad, A Reyhanitabar Polymer Bulletin 72 (10), 2667-2684	77	2015
A self-cleaning coating based on commercial grade polyacrylic latex modified by TiO2/Ag-exchanged-zeolite-A nanocomposite R Nosrati, A Olad, K Nofouzi Applied Surface Science 346, 543-553	53	2015
An Overview on Applications of ZnO Nanostructures in Polymer Industries A Olad, R Nosrati Basparesh 5 (1), 33-42	1	2015
Preparation and electrochemical investigation of the polyaniline/activated carbon nanocomposite for supercapacitor applications A Olad, H Gharekhani Progress in Organic Coatings 81, 19-26	34	2015
Localization DGT techniques in Iran and its application in the measurement of phosphorus content in soil and water A Reyhanitabar, S Heidari, A Olad Iranian Journal of Soil and Water Research 46 (1), 151-161		2015
Use of response surface methodology for optimization of the photocatalytic degradation of ampicillin by ZnO/polyaniline nanocomposite A Olad, R Nosrati Research on Chemical Intermediates 41 (3), 1351-1363	21	2015
The effective removal of methylene blue dye from aqueous solutions by NaAlg-g-poly (acrylic acid-co-acryl amide)/clinoptilolite hydrogel nanocomposite A Rashidzadeh, A Olad, D Salari Fibers and Polymers 16 (2), 354-362	54	2015
Fabrication of Conductive Polyaniline Nanocomposites Based on Silica Nanoparticles via *In-Situ* Chemical Oxidative Polymerization Technique	28	2015

M Babazadeh, F Zalloi, A Olad
Synthesis and Reactivity in Inorganic, Metal-Organic, and Nano-Metal …

Slow-released NPK fertilizer encapsulated by NaAlg-g-poly (AA-co-AAm)/MMT superabsorbent nanocomposite A Rashidzadeh, A Olad Carbohydrate polymers 114, 269-278	309	2014
On the encapsulation of natural pesticide using polyvinyl alcohol/alginate–montmorillonite nanocomposite for controlled release application A Rashidzadeh, A Olad, D Salari, M Jalil Hejazi Polymer Engineering & Science 54 (12), 2707-2714	22	2014
A study on sustained release formulations for oral delivery of 5-fluorouracil based on alginate–chitosan/montmorillonite nanocomposite systems FF Azhar, A Olad Applied Clay Science 101, 288-296	138	2014
Effect of Si content on electrophysical properties of Si-polymer composite varistors M Ghafouri, M Parhizkar, H Bidadi, SM Aref, A Olad Materials Chemistry and Physics 147 (3), 1117-1122	15	2014
Fabrication and characterization of chitosan–gelatin/nanohydroxyapatite–polyaniline composite with potential application in tissue engineering scaffolds F Farshi Azhar, A Olad, R Salehi Designed Monomers and Polymers 17 (7), 654-667	166	2014
The synergetic effect of bioactive ceramic and nanoclay on the properties of chitosan–gelatin/nanohydroxyapatite–montmorillonite scaffold for bone tissue engineering A Olad, FF Azhar Ceramics International 40 (7), 10061-10072	156	2014
Application of response surface methodology for modeling of reactive dye removal from solution using starch-montmorillonite/polyaniline nanocomposite A Olad, FF Azhar, M Shargh, S Jharfi Polymer Engineering & Science 54 (7), 1595-1607	41	2014
Development of novel hybrid nanocomposites based on natural biodegradable polymer–montmorillonite/polyaniline: preparation and characterization F Farshi Azhar, A Olad, A Mirmohseni Polymer bulletin 71 (7), 1591-1610	60	2014
RETRACTED ARTICLE: Eco-friendly biopolymer/clay/conducting polymer nanocomposite: Characterization and its application in reactive	41	2014

dye removal A Olad, FF Azhar Fibers and Polymers 15 (6), 1321-1329		
Effect of temperature on the electrophysical properties of Si–polymer composite varistors M Ghafouri, M Parhizkar, SM Aref, A Olad, H Bidadi Microelectronics Reliability 54 (5), 965-971	9	2014
A study on the adsorption of chromium (VI) from aqueous solutions on the alginate-montmorillonite/polyaniline nanocomposite A Olad, F Farshi Azhar Desalination and Water Treatment 52 (13-15), 2548-2559	64	2014
On the preparation and swelling properties of hydrogel nanocomposite based on Sodium alginate-*g*-Poly (acrylic acid-*co*-acrylamide)/Clinoptilolite and its … A Rashidzadeh, A Olad, D Salari, A Reyhanitabar Journal of Polymer Research 21 (2), 344	212	2014
Correlation between sintering pressure and electrical properties of hot-press sintered gallium arsenide-polyaniline-polyethylene composite varistors M Parhizkar, SM Aref, M Ghafouri, A Olad, H Bidadi Materials science in semiconductor processing 17, 143-148	2	2014
Effect of polyaniline content on electrophysical properties of gallium arsenide–polymer composite varistors SM Aref, A Olad, M Parhizkar, M Ghafouri, H Bidadi Solid state sciences 26, 128-133	16	2013
Novel polyaniline/poly (vinyl alcohol)/clinoptilolite nanocomposite: dye removal, kinetic, and isotherm studies A Rashidzadeh, A Olad Desalination and Water Treatment 51 (37-39), 7057-7066	33	2013
Removal of Nickel (II) from aqueous solutions with polypyrrole modified clinoptilolite: kinetic and isotherm studies A Olad, S Ahmadi, A Rashidzadeh Desalination and water Treatment 51 (37-39), 7172-7180	36	2013
Comparison of organic dyes removal mechanism in electrocoagulation process using iron and aluminum anodes AR Amani-Ghadim, A Olad, S Aber, H Ashassi-Sorkhabi Environmental Progress & Sustainable Energy 32 (3), 547-556	21	2013
Effect of changing Gallium arsenide content on Gallium arsenide–polymer composite varistors H Bidadi, SM Aref, M Ghafouri, M Parhizkar, A Olad Journal of Physics and Chemistry of Solids 74 (8), 1169-1173	14	2013

The effect of sintering temperature on varistor characteristics of gallium arsenide–polyaniline–polyethylene composite varistors H Bidadi, SM Aref, M Ghafouri, M Parhizkar, A Olad Materials science in semiconductor processing 16 (3), 752-758	12	2013
Preparation of polypyrrole nanocomposites with organophilic and hydrophilic montmorillonite and investigation of their corrosion protection on iron A Olad, A Rashidzadeh, M Amini Advances in polymer technology 32 (2)	35	2013
Preparation and characterization of polypyrrole/clinoptilolite nanocomposite with enhanced electrical conductivity by surface polymerization method A Rashidzadeh, A Olad, S Ahmadi Polymer Engineering & Science 53 (5), 970-975	25	2013
Influence of natural clinoptilolite nanoparticles on thermal stability, scratch resistance and adherence properties of Acrylonitrile butadiene styrene (ABS) A Olad, L Ranjbarian Fibers and Polymers 14 (3), 447-452	6	2013
Temperature dependent electrophysical characteristics of GaAs-polymer composite varistors H Bidadi, SM Aref, M Ghafouri, M Parhizkar, A Olad Current Applied Physics 13 (2), 355-359	10	2013
Effect of polyaniline as a surface modifier of TiO_2 nanoparticles on the properties of polyvinyl chloride/TiO_2 nanocomposites A Olad, S Behboudi, AA Entezami Chinese Journal of Polymer Science 31 (3), 481-494	35	2013
Optimization of electrocoagulation process for removal of an azo dye using response surface methodology and investigation on the occurrence of destructive side reactions AR Amani-Ghadim, S Aber, A Olad, H Ashassi-Sorkhabi Chemical Engineering and Processing: Process Intensification 64, 68-78	197	2013
RESIDENCE TIME DISTRIBUTION ANALYSIS AND KINETICS STUDY OF REACTIVE RED 43 REMOVAL BY ELECTROCOAGULATION PROCESS IN A BATCH AND CONTINUOUS REACTOR GAR Amani, ALI OLAD, S ABER, SH ASHASSI		2013
A REVIEW ON THE APPLICATIONS OF TITANIUM DIOXIDE IN POLYMER COMPOSITES AND NANOCOMPOSITES A OLAD, S BEHBOUDI Journal of Iranian Chemical Engineering (Farsi Edition) 12 (67), 26-38		2013

A mixture (denoted as PX) of phosphates was prepared by the reaction of phosphoric acid and a kind of bicyclic pentaerythritol phosphate (PEPA, 1-oxo-1-phospha-2, 6, 7 … C Belon, H Esen, CC Barghorn, X Allonas Progress in Organic Coatings 76 (1), 188-193		2013
Nonlinear properties of ZnO-polymer composites prepared by solution-casting method H Bidadi, A Olad, M Parhizkar, SM Aref, M Ghafouri Vacuum 87, 50-54	32	2013
Preparation and corrosion resistance of nanostructured PVC/ZnO–polyaniline hybrid coating A Olad, R Nosrati Progress in Organic Coatings 76 (1), 113-118	172	2013
Investigation on the mechanical and thermal properties of intercalated epoxy/layered silicate nanocomposites A Olad, RH Azar, AA Babaluo International Journal of Polymeric Materials 61 (13), 1035-1049	25	2012
Preparation, characterization, and anticorrosive properties of polyaniline nanotubes A Olad, Z Ramazani International Journal of Polymeric Materials 61 (12), 949-962	25	2012
Welcome again ALI OLAD, S BEHBOUDI, ALIA ENTEZAMI Bull. Mater. Sci 35 (5)		2012
Preparation, characterization and photocatalytic activity of TiO_2/polyaniline core-shell nanocomposite ALI Olad, S Behboudi, AA Entezami Bulletin of Materials Science 35 (5), 801-809	159	2012
Surfactant-assisted synthesis of polyaniline nanofibres without shaking and stirring: effect of conditions on morphology and conductivity A Olad, F Ilghami, R Nosrati Chemical Papers 66 (8), 757-764	31	2012
Degradation of ampicillin antibiotic in aqueous solution by ZnO/polyaniline nanocomposite as photocatalyst under sunlight irradiation R Nosrati, A Olad, R Maramifar Environmental Science and Pollution Research 19 (6), 2291-2299	130	2012
Preparation of PANI/epoxy/Zn nanocomposite using Zn nanoparticles and epoxy resin as additives and investigation of its corrosion protection behavior on iron A Olad, M Barati, S Behboudi Progress in Organic Coatings 74 (1), 221-227	147	2012

Electrodeposition of homogeneous and adherent polypyrrole/Na^+-cloisite nanocomposite on iron electrodes A Olad, M Amini, A Rashidzadeh Fibers and Polymers 13 (4), 475-480	8	2012
Characterization and physical properties investigation of conducting polypyrrole/TiO_2 nanocomposites prepared through a one-step "*in situ*" polymerization method M Babazadeh, F Rezazad Gohari, A Olad Journal of applied polymer science 123 (4), 1922-1927	52	2012
Electrocatalytic reduction of nitrate ions from water using polyaniline nanofibers modified gold electrode A Olad, F Farshi, J Ettehadi Water environment research 84 (2), 144-149	15	2012
Preparation, characterization, and photocatalytic activity of polyaniline/ZnO nanocomposite A Olad, R Nosrati Research on Chemical Intermediates 38 (2), 323-336	105	2012
AN OVERVIEW ON THE PREPARATION AND APPLICATIONS OF POLYANILINE NANOSTRUCTURES A OLAD, F ILGHAMI, M BARATI Journal of Iranian Chemical Engineering (Farsi Edition) 11 (61), 39-47		2012
AN OVERVIEW ON THE APPLICATION OF CONDUCTING POLYMERS IN DIRECT METHANOL FUEL CELLS TO IMPROVE THEIR PERFORMANCE A OLAD, M BARATI Journal of Iranian Chemical Engineering (Farsi Edition) 10 (59), 14-23		2012
Poly(N-vinylpyrrolidone) modified polyaniline/Na^+-cloisite nanocomposite: Synthesis and characterization A Olad, A Rashidzadeh Fibers and polymers 13 (1), 16-20	24	2012
Conductivity and anticorrosion performance of polyaniline/zinc composites: Investigation of zinc particle size and distribution effect A Olad, M Barati, H Shirmohammadi Progress in Organic Coatings 72 (4), 599-604	109	2011
جذب سطحی کروم از محیط آبی با استفاده از پلی‌آنیلین ریاحی سامانی, برقعی, اولاد, چایچی مجله آب و فاضلاب ۲۲ (۳), ۲-۹		2011
Adsorption of chromium from aqueous solution using polyaniline M Riahi Samani, SM Borghai, A Olad, MJ Chaichi Journal of Water and Wastewater; Ab va Fazilab (in persian) 22 (3), 2-9	8	2011
A comparative study of polystyrene/layered silicate nanocomposites,	18	2011

synthesized by emulsion and bulk polymerization methods A Olad, M Hayasi Polymer-Plastics Technology and Engineering 50 (14), 1487-1495		
Polymer/clay nanocomposites A Olad Advances in diverse industrial applications of nanocomposites 114	228 *	2011
Removal of toxic hexavalent chromium by polyaniline modified clinoptilolite nanoparticles A Olad, M Khatamian, B Naseri Journal of the Iranian Chemical Society 8 (Suppl 1), S141-S151	47	2011
Adsorption of chromium from aqueous solution using polyaniline MR Samani, SM Borghai, A Olad, MJ Chaichi آب و فاضلاب ۲۲ (۳), ۲-۹		2011
Influence of polyaniline synthesis conditions on its capability for removal and recovery of chromium from aqueous solution SM RIAHI, SM Borghei, A Olad, MJ Chaichi Iranian Journal of Chemistry and Chemical Engineering 30 (359), 97-100	24	2011
Influence of anions on Reactive Red 43 removal in electrochemical coagulation process AR Amani-Ghadim, S Aber, A Olad, H Ashassi-Sorkhabi Electrochimica acta 56 (3), 1373-1380	18	2011
Removal of chromium from aqueous solution using polyaniline–poly ethylene glycol composite MR Samani, SM Borghei, A Olad, MJ Chaichi Journal of Hazardous Materials 184 (1-3), 248-254	206	2010
Removal of the alphazurine FG dye from simulated solution by electrocoagulation A Olad, AR Amani-Ghadim, MSS Dorraji, MH Rasoulifard Clean–Soil, Air, Water 38 (4), 401-408	27	2010
Preparation of polyaniline nanocomposite with natural clinoptilolite and investigation of its special properties A Olad, M Khatamian, B Naseri International Journal of Nanoscience and Nanotechnology 6 (1), 43-52	15	2010
Preparation, characterization and anticorrosive properties of a novel polyaniline/clinoptilolite nanocomposite A Olad, B Naseri Progress in Organic Coatings 67 (3), 233-238	152	2010
Enhanced corrosion protective coating based on conducting polyaniline/zinc nanocomposite A Olad, H Rasouli Journal of applied polymer science 115 (4), 2221-2227	60	2010

Determination of linear short chain aliphatic aldehyde and ketone vapors in air using a polystyrene-coated quartz crystal nanobalance sensor A Mirmohseni, A Olad Analytical Sciences 26 (1), 89-93	4	2010
Removal of Chromium from Aqueous Solution Using Two Kinds of Polyaniline SM RIAHI, SM Borghei, A Olad, MJ Chaichi Journal of Environmental Studies 36 (55), 91-98	1	2010
The effect of weathering on the flow, microstructure and physico-mechanical properties of ABS D Salari, A OULAD, A Niaei, H RANJBAR Iranian Polymer Journal 18 (9111), 713-722	7	2009
Preparation and anticorrosive properties of PANI/Na-MMT and PANI/O-MMT nanocomposites A Olad, A Rashidzadeh Progress in Organic Coatings 62 (3), 293-298	170	2008
Preparation and characterization of polyaniline/CaCO3 composite and its application as anticorrosive coating on iron A Olad, A Rashidzadeh Iran J Chem Eng 5 (2), 45-54	30	2008
Application of polyaniline for the reduction of toxic Cr (VI) in water A Olad, R Nabavi Journal of hazardous materials 147 (3), 845-851	146	2007
Decolorization of basic dye solutions by electrocoagulation: An investigation of the effect of operational parameters NJ N.Daneshvar, A. Oladegaregoze Journal of Hazardous Materials 129 (1-3), 116-122	886	2006
Determination of chlorinated aliphatic hydrocarbons in air using a polymer coated quartz crystal microbalance sensor A Mirmohseni, A Oladegaragoze Sensors and Actuators B: Chemical 102 (2), 261-270	43	2004
Application of the quartz crystal microbalance for determination of phenol in solution A Mirmohseni, A Oladegaragoze Sensors and Actuators B: Chemical 98 (1), 28-36	44	2004
Construction of a sensor for determination of ammonia and aliphatic amines using polyvinylpyrrolidone coated quartz crystal microbalance A Mirmohseni, A Oladegaragoze Sensors and Actuators B: Chemical 89 (1-2), 164-172	77	2003
Detection and determination of Cr^{VI} in solution using polyaniline	64	2002

modified quartz crystal electrode
A Mirmohseni, ALI Oladegaragoze
Journal of applied polymer science 85 (13), 2772-2780

Anti-corrosive properties of polyaniline coating on iron 264 2000
A Mirmohseni, A Oladegaragoze
Synthetic metals 114 (2), 105-108

Articles 1–171
SHOW MORE

Books and Book Chapters:

No	Authors	Title	Publisher	Date
1	Ali Olad	Advances in diverse industrial applications of nanocomposites/ Polymer-clay nanocomposites	INTECH	March 2011
2	Ali Olad* Azam Rashidzadeh	Trends in Polyaniline Research / ANTICORROSIVE PROPERTIES OF POLYANILINE	Nova Science Publishers, Inc.	2013
3	Ali Olad* Azam Rashidzadeh	Trends in Polyaniline Research / POLYANILINE AND REMOVAL OF POLLUTANTS	Nova Science Publishers, Inc.	2013
4	Ali Olad* Fahimeh Farshi Azhar	Trends in Polyaniline Research / BIOMEDICAL APPLICATIONS OF POLYANILINE	Nova Science Publishers, Inc.	2013

Patents:

NO	Title	Patent Number	Confirmed by	Date
1	Method for preparation of polyaniline nanostructures	US 010100169 B2	US Patent	2018
2	Use of solvent to obtain polyaniline nanostructures after synthesis		Industrial property administration & Nano science federation	2014
3	Improvement of engine oil properties and efficiency by using copper-graphene additive		Industrial property administration	2013