

۱- مشخصات تحصیلی:

مدارج تحصیلی	عنوان رشته	دانشگاه محل تحصیل	تاریخ دریافت مدرک	عنوان پایان نامه
دکتری تخصصی	عمران - راه و ترابری	دانشگاه صنعتی امیرکبیر	۱۳۹۴	استفاده از مفاهیم روش انرژی آزاد سطحی در بررسی حساسیت رطوبتی مخلوط آسفالت گرم
کارشناسی ارشد	عمران - خاک و پی	دانشگاه گیلان	۱۳۸۹	بررسی آزمایشگاهی تهیه مخلوط آسفالتی مقاومت در برابر خرابی رطوبتی
کارشناسی	عمران - عمران	دانشگاه بیرجند	۱۳۶۸	-

۳- مشخصات شغلی:

وضعیت استخدامی: رسمی = آزمایشی مرتبه دانشگاهی: دانشیار دانشگاه محل کار: دانشگاه گیلان دانشکده: فنی

۴. فعالیت آموزشی:

مقاطع که تدریس کرده اید	دروس تدریس شده	سال های تدریس	دانشگاه محل تدریس
لیسانس	روسازی	۱۳۹۴ تا کنون	دانشگاه گیلان
	ماشین آلات راهسازی	۱۳۹۴ تا کنون	دانشگاه گیلان
فوق لیسانس	تکنولوژی و مواد روسازی	۱۳۹۴ تا کنون	دانشگاه گیلان
	مدیریت تعمیر و نگهداری راه	۱۳۹۴ تا کنون	دانشگاه گیلان
	سمینار	۱۳۹۴ تا کنون	دانشگاه گیلان
	آزمایشگاه قیر و آسفالت	۱۳۹۴ تا کنون	دانشگاه گیلان

۵. فعالیت های پژوهشی:

موضوع	عناوین	محل انتشار	سال انتشار
کتاب تألیف شده			
کتاب ترجمه شده			

۶- طرحها، پروژه ها و پایان نامه ها:

موضوع	عناوین	تاریخ اتمام	ملاحظات
پایان نامه های راهنمایی شده	بررسی تاثیر افزودنی رزین خشک بر خصوصیات دینامیکی مخلوطهای آسفالتی	۱۳۹۸/۰۶/۱۲	
	بررسی تأثیر استفاده از نانوفیلرهای معدنی بر خرابی رطوبتی مخلوط آسفالتی نیمه گرم	۱۳۹۹/۰۳/۲۷	
	بررسی تأثیر شرایط آزمایشگاهی بر خصوصیات مکانیکی مخلوطهای آسفالتی نیمه گرم	۱۳۹۸/۰۶/۱۶	
	تأثیر الیاف سرامیک بر حساسیت رطوبتی مخلوط آسفالت شیشه ای	۱۳۹۹/۰۳/۲۷	
	بررسی تأثیر درجه اسیدپتته روانابها بر خرابی خستگی مخلوطهای آسفالتی	۱۴۰۰/۰۲/۱۸	
	بررسی تأثیر الیاف سرامیک بر خصوصیات دینامیکی مخلوط آسفالت شیشه ای	۱۴۰۰/۰۶/۱۳	

۱۴۰۰/۰۷/۲۵	بررسی تاثیر استفاده از نانو اکسید سربوم بر حساسیت رطوبتی مخلوطهای آسفالتی بر اساس روش‌های مکانیکی و ترمودینامیکی
۱۴۰۰/۱۱/۱۹	بررسی تأثیر جوان‌سازی با استفاده از روغن ذغالسنگ و روغن سویا اپوکسی بر خصوصیات رئولوژیکی قیر و عملکردی مخلوط آسفالت گرم باز یافتی
۱۴۰۰/۱۱/۳۷	بررسی تاثیر پیرشدگی بلندمدت بر ترک خوردگی خستگی مخلوطهای آسفالتی با استفاده از روش‌های ترمودینامیکی و مکانیکی
۱۴۰۱/۰۶/۱۶	بررسی مکانیسم رخداد خرابی رطوبتی در مخلوطهای آسفالتی گرم با استفاده از پارامترهای بنیادی مواد

## ۷. مقالات در مجلات

No.	Title	Publication	Year
1	Using the surface free energy method to evaluate the effects of polymeric aggregate treatment on moisture damage in hot-mix asphalt	Journal of Materials in Civil Engineering	2011
2	Estimating moisture sensitivity of warm mix asphalt modified with zycosoil as an antistrip agent using surface free energy method	Journal of Materials in Civil Engineering	2012
3	Influence of using nonmaterial to reduce the moisture susceptibility of hot mix asphalt	Construction and Building Materials	2012
4	Evaluating the effect of zycosoil on moisture damage of hot-mix asphalt using the surface energy method	Journal of Materials in Civil Engineering	2014
5	Influence of using polymeric aggregate treatment on moisture damage in hot mix asphalt	Construction and Building Materials	2013
6	Evaluate the mechanism of the effect of hydrated lime on moisture damage of warm mix asphalt	Construction and Building Materials	2013
7	Using the surface free energy method to evaluate the effects of liquid antistrip additives on moisture sensitivity in hot mix asphalt	International Journal of Pavement Engineering	2014
8	Laboratory evaluation of using recycled marble aggregates on the mechanical properties of hot mix asphalt	Journal of Materials in Civil Engineering	2013
9	Rutting Performance Prediction of Warm Mix Asphalt Containing Reclaimed Asphalt Pavements	Road Materials and Pavement Design	2014
10	The effects of using recycled concrete on fatigue behavior of hot mix asphalt	Journal of Civil Engineering and Management	2013
11	Effect of high density polyethylene on the fatigue and rutting performance of hot mix asphalt—a laboratory study	Road Materials and Pavement Design	2014
12	Using energy parameters based on the surface free energy concept to evaluate the moisture susceptibility of hot mix asphalt	Road Materials and Pavement Design	2015
13	Investigating the effect of nanoparticles on the rutting behaviour of hot-mix asphalt	International Journal of Pavement Engineering	2016
14	Investigating the effects of using nanomaterials on moisture damage of HMA	Road Materials and Pavement Design	2015
15	Characterization of permanent deformation resistance of precipitated calcium carbonate modified asphalt mixture	Journal of Civil Engineering and Management	2015
16	Evaluating the effects of light expanded clay aggregate on mechanical properties of porous asphalt	Current Advances in Civil Engineering	2013
17	Use of aggregate nanocoating to decrease moisture damage of hot mix asphalt	Road materials and pavement design	2016
18	Estimating the moisture damage of asphalt mixture modified with nano zinc oxide	Materials and Structures	2016
19	The employment of thermodynamic and mechanical methods to evaluate the impact of nanomaterials on moisture damage of HMA	Materials and Structures	2016
20	Evaluating the effect of asphalt binder modification using nanomaterials on the moisture damage of hot mix asphalt	Road Materials and Pavement Design	2017
21	Evaluating the effect of mix design and thermodynamic parameters on moisture sensitivity of hot mix asphalt	Journal of Materials in Civil Engineering	2017
22	Investigating the use of nano coating over the aggregate surface on moisture damage of asphalt mixtures	International Journal of Civil Engineering	2018
23	Performance evaluation of dry process crumb rubber-modified asphalt mixtures with nanomaterial	Road Materials and Pavement Design	2018
24	The effect of using anti-stripping additives on moisture damage of hot mix asphalt	International Journal of Adhesion and Adhesives	2018
25	Effects of polymeric coating the aggregate surface on reducing moisture sensitivity of asphalt mixtures	International Journal of Civil Engineering	2018

26	Providing laboratory rutting models for modified asphalt mixes with different waste materials	Periodica Polytechnica Civil Engineering	2018
27	Mechanical Properties of Open Graded Asphalt Mixtures with Pumice Aggregate	AUT Journal of Civil Engineering	2017
28	Investigating the effect of filler types on thermodynamic parameters and their relationship with moisture sensitivity of asphalt mixes	Materials and Structures	2018
29	Effects of asphalt binder modifying with polypropylene on moisture susceptibility of asphalt mixtures with thermodynamically concepts	Periodica Polytechnica Civil Engineering	2018
30	Using hydrophobic coating on aggregate surfaces to reduce moisture damage in asphalt mixture	Journal of Materials in Civil Engineering	2018
31	Examining the effect of dry resin on moisture sensitivity of asphaltic mixtures	Civil Engineering Journal	2018
32	The laboratory study of the effect of using liquid anti-stripping materials on reducing moisture damage of hma	Aut Journal Of Civil Engineering	2017
33	Effect of asphalt binder aging on thermodynamic parameters and its relationship with moisture sensitivity of asphalt mixes	Journal of Materials in Civil Engineering	2018
34	Investigate the effect of using polymeric anti-stripping additives on moisture damage of hot mix asphalt	European Journal of Environmental and Civil Engineering	2021
35	Investigating the effect of modifying aggregate surface by micronized calcium carbonate on increasing the moisture resistance of asphalt mixtures	Periodica Polytechnica Civil Engineering	2019
36	Investigating of the Effects of Nano-materials on the Moisture Susceptibility of Asphalt Mixtures Containing Glass Culletts	AUT Journal of Civil Engineering	2019
37	Comparing the effect of nanomaterial and traditional fillers on the asphalt mixture properties	Civil Engineering Journal	2019
38	Effect of mastic properties on moisture damage and adhesive failure mechanism in asphalt mixtures	Jordan Journal of Civil Engineering	2019
39	Determination of the stripping process of asphalt mixtures and the effective mix design and SFE parameters on its different phases	Construction and Building Materials	2019
40	Use of surface free energy method to evaluate effect of hydrate lime on moisture damage in hot-mix asphalt	Journal of Materials in Civil Engineering	2013
41	Applying asphalt binder modifier in reducing moisture-induced damage of asphalt mixtures	European Journal of Environmental and Civil Engineering	2021
42	Laboratory investigation of using liquid anti-stripping additives on the performance characteristics of asphalt mixtures	International Journal of Pavement Research and Technology	2019
43	Surface-free energy and fatigue performance of hot-mix asphalt modified with nano lime	Journal of Materials in Civil Engineering	2019
44	Experimental investigation of effect of ceramic fibers on mechanical properties of asphalt mixtures	Journal of Materials in Civil Engineering	2019
45	Laboratory investigation of the effect of ABS polymer on moisture susceptibility of asphalt mixtures	Australian Journal of Civil Engineering	2019
46	Model for predicting moisture susceptibility of asphalt mixtures based on material properties	Journal of Materials in Civil Engineering	2019
47	Investigate the physical and rheological properties of asphalt binders modified with barium sulfate nanoparticles	Petroleum Science and Technology	2019
48	Investigating the Effect of Characteristics of Aggregates and SFE components of Asphalt Binder-Aggregate on the Moisture Sensitivity of Asphalt Mixtures Modified with Anti-Stripping Agents	Amirkabir Journal of Civil Engineering	2020
49	Determination of moisture damage mechanism in asphalt mixtures using thermodynamic and mix design parameters	International Journal of Pavement Research and Technology	2020
50	Comparison of the effect of using mineral nanomaterials on the performance of HMA and glasphalt agaiants the moisture damage	AUT Journal of Civil Engineering-Accepted for publication	
51	Effects of asphalt binder modifying with nano hydrated lime on moisture susceptibility of asphalt mixtures with thermodynamically concepts	Petroleum Science and Technology	2020
52	The effects of UHMWPE/nanoclay on rheological properties of modified asphalt binder	Petroleum Science and Technology	2020
53	Investigating the Effect of Various Fillers on Cohesive Failure Mechanism in Asphalt Mixtures	Periodica Polytechnica Civil Engineering	2020
54	Investigating the Effects of NMH and DA Additives and Short-and Long-Term Aging on Moisture Damage of Hot Mix Asphalt Using Mechanical Methods	International Journal of Pavement Research and Technology	2015
55	Investigating the effect of hydrophobic additives in moisture damage reduction of asphalt mixtures	Periodica Polytechnica Civil Engineering	2020
56	The effect of nanomaterials as anti-stripping additives on the moisture sensitivity of glasphalt	Journal of Material Cycles and Waste Management	2020
57	Effect of ultra-high-molecular-weight polyethylene on the performance characteristics of hot mix asphalt	Construction and Building Materials	2020
58	The influence of cohesion and adhesion parameters on the moisture sensitivity of modified Asphalt mixtures with polymer additive	The Journal of Adhesion	2021
59	Effect of short-term aging on low-temperature cracking in asphalt mixtures using mechanical and thermodynamic methods	Journal of Materials in Civil Engineering	2020
60	Predictive model of modified asphalt mixtures with nano hydrated lime to increase resistance to moisture and fatigue damages by the use of deicing agents	Construction and Building Materials	2020
61	Evaluation of Moisture Sensitivity of Modified Asphalt Mixtures with Crystal Calcium Carbonate Powder	UM civil engineering journal	2019
62	Evaluation the Effect of Polyvinyl Chloride on Moisture Sensitivity of HMA	UM civil engineering journal	2019
63	Evaluating the Effect of SBR Polymer Modified Bitumen on the Moisture Susceptibility of HMA	Amirkabir Journal of Civil Engineering	2018

105	Investigating of the thermal cracking of asphalt mixtures with surface free energy method, low temperature rheological properties of bitumen, semi circular bending test and aggregate properties	Journal of Transportation Infrastructure Engineering	2023
65	Evaluation of the effect of dust and soot on runoff acidity and moisture sensitivity of asphalt mixtures using thermodynamic and mechanical methods	Journal of Materials in Civil Engineering	2020
66	Investigation the effect of short term aging on thermodynamic parameters and thermal cracking of asphalt mixtures modified with nanomaterials	Road Materials and Pavement Design	2021
67	Effect of ceramic fibers on the thermal cracking of hot-mix asphalt	Journal of Materials in Civil Engineering	2020
68	Investigating the Effect of Acrylon Acrylonitrile Acrylate on the Fatigue Life of Asphalt Mixtures	Amirkabir Journal of Civil Engineering	2021
69	Evaluating the Rheological and Mechanical Properties of Asphalt Mixtures Modified with Nano Copper Oxide	Amirkabir Journal of Civil Engineering	2021
70	Prediction and pareto-based multi-objective optimization of moisture and fatigue damages of asphalt mixtures modified with nano hydrated lime	Construction and Building Materials	2020
71	Investigating the effect of using waste ultra-high-molecular-weight polyethylene on the fatigue life of asphalt mixture	Periodica Polytechnica Civil Engineering	2020
72	Investigating the Effect of Metal Nanomaterials on the Moisture Sensitivity Process of Asphalt Mixes	Periodica Polytechnica Civil Engineering	2021
73	Investigating the impact of zeolite on reducing the effects of changes in runoff acidity and the moisture sensitivity of asphalt mixtures	Construction and Building Materials	2021
74	Application of the surface free energy method on the mechanism of low-temperature cracking of asphalt mixtures	Construction and Building Materials	2021
75	Laboratory investigation of the effect of ceramic fiber on stone matrix asphalt rutting performance	Journal of Materials in Civil Engineering	2021
76	Evaluating the surface free energy and moisture susceptibility of modified asphalt mixtures with nano hydrated lime under saturated conditions with deicer materials and distilled water	International Journal of Pavement Engineering	2020
77	Evaluation of the effect of UHMWPE on the low-temperature cracking of hot-mix asphalt	Journal of Materials in Civil Engineering	2021
78	Investigating the Effective Laboratory Parameters on the Stiffness Modulus and Fatigue Cracking of Warm Mix Asphalt	International Journal of Civil Engineering	2021
79	An experimental investigation into the effect of asphalt binder modified with SBR polymer on the moisture susceptibility of asphalt mixtures	Periodica Polytechnica Civil Engineering	2021
80	Investigating the effect of curing and thermal equilibrium time on rutting potential of hot mix asphalt	Periodica Polytechnica Civil Engineering	2021
81	The effect of aggregate-forming minerals on thermodynamic parameters using surface free energy concept and its relationship with the moisture susceptibility of asphalt mixtures	Advances in Civil Engineering	2021
82	Investigation of the Rheological Behavior and Properties of Modified Asphalt Binder with Nano Hydrated Lime	AUT Journal of Civil Engineering	2019
83	Improving the moisture performance of hot mix glass asphalt by high-density polyethylene as an asphalt binder modifier	International Journal of Sustainable Building Technology and Urban Development	2019
84	Presentation of predictive models for two-objective optimization of moisture and fatigue damages caused by deicers in asphalt mixtures	Journal of Testing and Evaluation	2021
85	Effects of metallic nano materials on the cohesion and adhesion properties of asphalt binders and aggregates using surface free energy method	Journal of Civil and Environmental Engineering	2022
86	Effect of long-term aging on low-temperature cracking of asphalt mixtures using mechanical and thermodynamic methods	Amirkabir Journal of Civil Engineering	2022
87	Rutting resistance of hot mix asphalt containing coarse recycled concrete aggregates coated with waste plastic bottles	Advances in Civil Engineering	2021
88	Investigating the effective laboratory parameters on the rutting behavior of warm mix asphalt	International Journal of Pavement Research and Technology	2021
89	The effect of long-term aging on low-temperature cracking of asphalt concrete using mechanical and thermodynamic methods	International Journal of Civil Engineering	2021
90	Evaluation of moisture sensitivity of asphalt mixtures modified with nanoparticle (zinc and silicon oxides)	Amirkabir Journal of Civil Engineering	2020
91	Evaluating the Effect of Liquid Antistrip Additives on Moisture Sensitivity of Glassphalt	AUT Journal of Civil Engineering	2021
92	Contributing factors in pedestrian's waiting time at signalized intersections using survival analysis	Computational Research Progress in Applied Science & Engineering (CRPASE)	2022
93	Effect of elastomer polymer on the moisture susceptibility of asphalt concrete	Magazine of Civil Engineering	2022
94	The Effect of High Density Polyethylene Additives on the Mix Design Parameters of Asphalt Mixtures	Civil Infrastructure Researches	2022
95	Effect of Long-Term Aging on Low-Temperature Cracking of Asphalt Mixtures using Mechanical and Thermodynamic Methods	AUT civil engineering journal	2022
96	Direct displacement based design approach for steel moment frames equipped with nonlinear fluid viscous damper	Amirkabir Journal of Civil Engineering	2021
97	Using logistic regression and point-biserial correlation, an investigation of pedestrian violations and their opportunities to cross at signalized intersections	IATSS research	2022
98	Presentation of thermodynamic and dynamic modules methods to investigate the effect of nano hydrated lime on moisture damage of stone matrix asphalt	Australian Journal of Civil Engineering	2022
99	Effect of antistripping additives on the cohesion, adhesion, and performance of different asphalt mixtures in dry and wet conditions	Journal of Materials in Civil Engineering	2022

100	Investigation on long-term aging in nano-modified WMA using mechanical and thermodynamic-based approaches	Construction and Building Materials	2022
101	Effect of Nano-Cobalt Oxide on the Rheological Behavior of Asphalt Binder and Mechanical Characteristics of Hot Mix Asphalt	Advances in Civil Engineering	2023
102	Evaluation the Effect of Glass Wastes and Metal Oxides Nanoparticles on the Stripping Strength of Asphalt Mixtures	Journal of Transportation Research	2018
103	The effect of acrylonitrile styrene acrylate on fatigue cracking of asphalt mixtures	AUT civil engineering journal	2021