

Journal publications

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- **Hamed Attaran Dovom**, Abolfazl Mohammadzadeh Moghadam, Mohsen Karabi, Improving the resistance to moisture damage of cold mix asphalt modified by eco-friendly Microbial Carbonate Precipitation (MCP), "**Construction and building material**" 2019 (Published).
- **Hamed Attaran Dovom**, Abolfazl Mohammadzadeh Moghadam, Mohsen Karabi, Bahar Shahnavaaz and Samane Attaran Dovom. Investigation of the Mechanical and Physical Properties of Bio-modified Cold Asphalt Emulsion Mixtures by Microbial Carbonate Precipitation , "**International journal of pavement engineering**" 2019 (Published).
- **Hamed Attaran Dovom**, Abolfazl Mohammadzadeh Moghadam, Post-Bio-strengthening and Bioremediation of moisture damage in Cold Mix Asphalt using induction of Microbial Carbonate Precipitation. "**Building and Environment**" 2019 (Submitted).
- **Hamed Attaran Dovom**, Abolfazl Mohammadzadeh Moghadam, Mohsen Karabi, Bahar Shahnavaaz and Samane Attaran Dovom. Effect of Calcium Carbonate Precipitation by Bacterial Agent on the Bitumen Coating and Stripping of the Cold Mix Asphalt, "**Journal of Transportation Engineering**" 2018 (Accepted in Persian journal).

Conference papers

- **Hamed Attaran Dovom**, Abolfazl Mohammadzadeh Moghadam, Mohsen Karrabi ,Bahar Shahnavaaz, Samane Attaran Dovom , Biological evaluation of the use of calcium carbonate precipitation in order to bacterial agent to improve the mechanical properties of asphalt mixtures, " 11th international congress of civil engineering", Iran, Tehran , 2018
- **Hamed Attaran Dovom**, Abolfazl Mohammadzadeh Moghadam, Mohsen Karrabi, Bahar Shahnavaaz, Samane Attaran Dovom , The effect of calcium carbonate precipitation caused by bacterial agent on the mechanical properties of cold mix asphalt " 11th international congress of civil engineering", Iran, Tehran , 2018
- **Hamed Attaran Dovom**, Abolfazl Mohammadzadeh Moghadam, Mahdi Saberi, Introducing a new piezoelectric sensors amplified for use in intelligent transportation systems