



## **Bahram Nami, PhD**

**Associate Professor**

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### **Education:**

**PhD** in Materials Science and Metallurgy, Iran University of Science and Technology, Tehran , Iran,

**M. Sc** in Materials Science and Metallurgy, Sharif university, Tehran, Iran

**B. Sc** In Materials Science and Metallurgy, Iran University of Science and Technology, Tehran , Iran,

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### **Teaching Experience:**

Mechanical Metallurgy 1,2

Creep

Materials characterization

Metallography

Materials science

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### **Research interest:**

High temperature mechanical properties and creep of Alloys

Casting of Aluminum and Magnesium alloys

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### **Research Publication (journals):**

- 1- F Khomamizadeh, **B Nami**, S Khoshkhouei, Effect of rare-earth element additions on high-temperature mechanical properties of AZ91 magnesium alloy, Metallurgical and Materials Transactions A 36 (12), 3489-3494
- 2- BA Esgandari, H Mehrjoo, **B Nami**, SM Miresmaeili, The effect of Ca and RE elements on the precipitation kinetics of Mg<sub>17</sub>Al<sub>12</sub> phase during artificial aging of magnesium alloy AZ91, Materials Science and Engineering: A 528 (15), 5018-5024

- 3- **B Nami**, H Razavi, S Mirdamadi, SG Shabestari, SM Miresmaeili, Effect of Ca and rare earth elements on impression creep properties of AZ91 magnesium alloy, *Metallurgical and Materials Transactions A* 41 (8), 1973-1982
- 4- EM Mazraeshahi, **B Nami**, SM Miresmaeili, Investigation on the impression creep properties of a cast Mg–6Al–1Zn magnesium alloy, *Materials & Design* 51, 427-431
- 5- A Abedi, M Shahmiri, BA Esgandari, **B Nami**, Microstructural evolution during partial remelting of Al–Si alloys containing different amounts of magnesium, *Journal of Materials Science & Technology* 29 (10), 971-978
- 6- SM Miresmaeili, **B Nami**, Impression creep behavior of Al–1.9% Ni–1.6% Mn–1% Mg alloy, *Materials & Design* (1980-2015) 56, 286-290
- 7- S Rashno, **B Nami**, SM Miresmaeili, Impression creep behavior of a cast MRI153 magnesium alloy, *Materials & Design* 60, 289-294
- 8- EM Mazraeshahi, **B Nami**, SM Miresmaeili, SM Tabatabaei, Effect of Si on the creep properties of AZ61 cast magnesium alloy, *Materials & Design* 76, 64-70
- 9- **B Nami**, S Rashno, SM Miresmaeili, Effect of tin on the microstructure and impression creep behavior of MRI153 magnesium alloy, *Journal of Alloys and Compounds* 639, 308-314
- 10- **B Nami**, SG Shabestari, SM Miresmaeili, H Razavi, S Mirdamadi, Effects of calcium and rare earth elements on microstructure and creep properties of AZ91 alloy in as cast and semisolid processed conditions, *International Journal of Cast Metals Research* 24 (1), 45-52
- 11- I Khoubrou, **B Nami**, SM Miresmaeili, Investigation on the Creep Behavior of AZ91 Magnesium Alloy Processed by Severe Plastic Deformation, *Metals and Materials International* 26 (2), 196-204
- 12- M Badri, SM Miresmaeili, **B Nami**, Microstructure and impression creep properties of Ca-Containing AS31 magnesium alloy, *Acta Metallurgica Sinica (English Letters)* 29 (12), 1089-1097
- 13- SM Miresmaeili, **B Nami**, R Abbasi, I Khoubrou, Effect of Cu on the Creep Behavior of Cast Al-15Si-0.5 Mg Alloy, *JOM* 71 (6), 2128-2135
- 14- M Salimi, M Malekan, **B Nami**, H Hoseiny, Microstructure characteristics and mechanical properties of the interface layer of coated steel insert-aluminum bimetal, *Journal of Materials Research* 32 (4), 874

- 15- H Amini, B Arab, H Gollo, **B Nami**, The Effect of the Tool Rotational Speed, Plunging Speed and Tool Progressive Speed on the Defects During Friction Stir Processing on AZ91, Preprints
- 16- HAA Fashami, NBM Arab, MH Gollo, **B Nami**, Effect of multi-pass friction stir processing on thermal distribution and mechanical properties of AZ91, *Mechanics & Industry* 21 (4), 411
- 17- M Hoseinpour Gollo, N Bani Mostafa Arab, **B Nami**, The Numerical Modeling to Study the Multi-Pass Friction Stir Processing on Magnesium Casting Alloy AZ91, *ADMT Journal* 12 (4), 9-16
- 18- **B Nami**, SM Miresmaeili, F Jamshidi, I Khoubrou, Effect of Ca addition on microstructure and impression creep behavior of cast AZ61 magnesium alloy, *Transactions of Nonferrous Metals Society of China* 29 (10), 2056-2065
- 19- M Badri, SM Miresmaeili, **B Nami**, Impression creep properties of hypoeutectic Mg-xSi alloys, *Kovove Mater* 55, 295-302
- 20- F Rafiee, **B. Nami**, BM Arab, Effect of heat input on microstructure and mechanical properties of AZ91 Magnesium alloy with using GTAW process, *METALLURGICAL ENGINEERING* 17 (5500252), 36-44

Links:

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