

بسمه تعالی

حمیدرضا عزت پور

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مدارک تحصیلی

- کارشناسی ارشد: مهندسی متالورژی-گرایش شناسایی و انتخاب مواد فلزی-دانشگاه فردوسی (معدل: ۱۷/۲۶)

- دکتری: مهندسی متالورژی- مهندسی متالورژی-شکل دادن فلزات-دانشگاه فردوسی (معدل: ۱۷/۷۱)

عنوان رساله: بررسی رفتار تغییرشکل گرم نانوکامپوزیت $Al-Al_2O_3$ در دماهای بالا

- فرصت مطالعاتی در دوره دکتری: دانشگاه **NTU of Singapore**

زمینه فعالیت

- مواد فلزی-نانو مواد-نانوکامپوزیت و کامپوزیت

- تغییر شکل مواد در دمای محیط و دمای بالا

- خواص مکانیکی و فیزیکی مواد

فعالیت های اجرایی

- عضو شورای آموزشی دانشگاه ۹۵-۹۸
- عضو شورای پژوهشی دانشگاه ۹۵-۹۸
- عضو شورای فرهنگی دانشگاه ۹۵-۹۸
- مدیر گروه ۹۴-۹۵ و ۹۶-۹۷ و ۹۷-۹۸-۹۹-۴۰۰
- دبیر کمیته ترفیع دانشگاه ۹۶-۹۸
- مشاور انجمن علمی گروه صنایع ۹۶-۹۷
- عضو کمیته علمی کنفرانس بین المللی پژوهش های نوین در علوم مهندسی قرن ۲۱ در سال ۹۶
- عضو کمیته علمی نانو خراسان
- عضو کمیته علمی کنفرانس بین المللی صنعت سیمان و افق پیشرو در سال ۹۸
- راه اندازی کارگاه ریخته گری در سال ۹۶
- راه اندازی کارگاه جوشکاری در سال ۹۶
- راه اندازی کارگاه ماشین ابزار در سال ۹۶

عناوین و افتخارات

- پژوهشگر برتر دانشگاه در سال ۹۴-۱۳۹۵
- پژوهشگر برتر دانشگاه در سال ۹۵-۱۳۹۶
- پژوهشگر برتر دانشگاه در سال ۹۶-۱۳۹۷
- عضو آموزشی برتر در دانشگاه در سال ۹۹-۱۳۹۹-۱۴۰۰
- چاپ مقاله داغ با بیشترین ارجاعات در مجله **Material and Design** با **IF=4**.
- انتخاب طرح پژوهشی-کاربردی به عنوان طرح برگزیده معاونت ارتباطات با صنعت وزارت علوم تحقیقات و فناوری

Publications

مجلات معتبر علمی پژوهشی

1. **HR Ezatpour** M. Torabi Parizi, GR Ebrahimi, [Extraordinarily strengthening and toughening efficiency of hybrid carbonaceous \(GNP+CNT\) reinforced AZ80 matrix composite](#), International Journal of Lightweight Materials and Manufacture, 2021.
 2. **HR Ezatpour** M. Torabi Parizi, GR Ebrahimi, [The extraordinary effect of very low content of hybrid carbonaceous reinforcement on the microstructural and mechanical properties of 7075 aluminum alloy](#), Archives of Civil and Mechanical Engineering 21 (2), 1-24.
 3. M Kavyani, GR Ebrahimi, **HR Ezatpour**, M Jahazi [Microstructure refinement, mechanical and biocorrosion properties of Mg-Zn-Ca-Mn alloy improved by a new severe plastic deformation process](#), Journal of Magnesium and Alloys 2021.
 4. M Paidar, K Tahani, RV Vignesh, OO Ojo, **HR Ezatpour**, A Moharrami [Modified friction stir clinching of 2024-T3 to 6061-T6 aluminium alloy: effect of dwell time and precipitation-hardening heat treatment](#) Materials Science and Engineering: A 791, 139734.
 5. M. Torabi Parizi, GR Ebrahimi, **HR Ezatpour**, M Paydar , [The structure effect of carbonaceous reinforcement on the microstructural characterization and mechanical behavior of AZ80 magnesium alloy](#), Journal of Alloys and Compounds, 151682 (Top ten).
 6. [S Ramezanzade, GR Ebrahimi, M Torabi-parizi, HR Ezatpour, Microstructure and mechanical characterizations of graphene nanoplatelets reinforced Mg-Sr-Ca alloy as a novel composite in structural and biomedical applications](#), Composite Materials, 2019.
 7. H Mohammadnia, SM Mosavizade, **HR Ezatpour**,, [Effect of tool rotation speed and dwelling time on mechanical properties of Al-Mg sheets welded by protrusion friction stir spot welding](#) Journal of Mechanic, Tarbait Modarres, 2020.
 8. M Paidar, OO Ojo, **HR Ezatpour**, A Heidarzadeh, [Influence of multi-pass FSP on the microstructure, mechanical properties and tribological characterization of Al/B4C composite fabricated by accumulative roll bonding \(ARB\)](#) Surface and Coatings Technology 361 (1), 159-169, 2019.
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 12. M Kaviani, GR Ebrahimi, **HR Ezatpour**, [Improving the mechanical properties and biocorrosion resistance of extruded Mg-Zn-Ca-Mn alloy through hot deformation](#), Materials Chemistry and Physics, 234, 245-258, 2019.
 13. S Ramezanzade, GR Ebrahimi, M Torabi-parizi, **HR Ezatpour**, [Synergetic effect of GNPs and MgOs on the mechanical properties of Mg-Sr-Ca alloy](#), Materials Science and Engineering: A, 2019, 138025, 2019. **(Top ten)**.
 14. GR Ebrahimi, A Momeni, **HR Ezatpour**, M Jahazi, P Bocher. [Dynamic recrystallization in Monel400 Ni-Cu alloy: mechanism and role of twinning](#), Materials Science and Engineering: A 744 (1), 376-385, 2019 **(Top ten)**.
 15. N Farmanbar, SM Mousavizade, **HR Ezatpour**, [Protrusion friction stir spot welding: A simple novel method to produce dissimilar joints of galvanized steel/aluminum sheets with high mechanical performance](#), Materials Research Express 6 (2), 1-20, 2019.
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 18. G.R. Ebrahimi, **H.R. Ezatpour**, [Effect of precipitation on the warm deformation behavior of AA2024 alloy](#), Materials Science & Engineering A 681 (2017) 10–17. **(Top-ten)**
 19. **H.R. Ezatpour**, M. Torabi-parizi, G.R. Ebrahimi, A. Momeni, [Effect of micro-alloy elements on dynamic recrystallization behavior of a high-manganese steel](#), **accepted**, International Steel Research, 2018
 20. G. R. Ebrahimi, **H.R. Ezatpour**, A. Amiri, [A novel single pass severe plastic deformation method using combination of planar twist extrusion and conventional extrusion](#), Journal of Manufacturing process, 2018.
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 23. G.R. Ebrahimi, A. Momeni, **H.R. Ezatpour**, **Modeling the viscoplastic behavior and grain size in a hot worked Nb-bearing high Mn-steel, accepted**, Materials Science and Engineering A, 2018. (Top-ten)
 24. A. Momeni, G.R. Ebrahimi, **H.R. Ezatpour**, **Modeling the yield point phenomena in Inconel 600 at elevated temperatures, accepted**, Philosophical Magazine, 2018.
 25. M. Khani **H.R. Ezatpour** G.R. Ebrahimi, **Study of Microstructural Evolution and Mechanical Properties of Al-CNT Nanocomposite Produced by Accumulative Roll Bonding Process**, under review, International Journal of Materials Research, 2018.
 26. M. Kaviani, G.R. Ebrahimi, **H.R. Ezatpour**, **Relationship between mechanical properties, microstructure and texture evaluations during hot deformation of AZ63 magnesium alloy**, Accepted, Materials Research Express, 2019.
 27. S. Khani, **H.R. Ezatpour**, G. R. Ebrahimi, **Mechanical and microstructure properties of Al/CNT-Al₂O₃ hybrid nanocomposite produced by accumulative roll bonding process, accepted**, Journal of Mechanic, Tarbait Modarres, 2017.
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32. M. Chaman-Ara, G.R. Ebrahimi, **H.R. Ezatpour**, **Deformation behavior and processing maps of Mg-Zn-Y alloy containing I phase at elevated temperatures**, accepted in Transactions of Nonferrous Metals Society of China 2017.
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کنفرانس های بین المللی داخلی و خارجی

53. **Hamid Reza Ezatpour**, SeyedAbolkarimSajjadi, Mohsen Haddad Sabzevar, Yizhong Huang, **Fractography of Al6061 and its nanocomposites fabricated by casting**, Proceedings of Iran International Aluminum Conference (IIAC2014), Tehran, Iran
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داوری مجلات معتبر علمی

- 1) Material and Design
- 2) Material, Science and Engineering A (Top-ten)
- 3) Alloys and Compounds (Top-ten)
- 4) Materials Characterization (Top-ten)
- 5) Material Science and Technology (Top-ten)
- 6) Composite Materials
- 7) Material Research Express
- 8) Material research
- 9) Transactions of Nonferrous Metals Society of China
- 10) Advanced research
- 11) Journal of Multidiscipline Modeling in Materials and Structures
- 12) International Journal of Materials Engineering Innovation
- 13) Advances in Materials Research

- 14) Polymer composites
- 15) Material Science Engineering Application
- 16) Science and Technology of composites
- 17) Journal of Materials Science
- 18) Steel Research International

طرح های پژوهشی

Projects:

- Production of Al/Al₂O₃ and Al/SiC nanocomposite, 2010-2012 (Mashhad University)
- Production of WC bars: 2010-2012 (Mashhad University)
- Production of Ag nanoparticles by biotechnology method 2014-201 (Mashhad University)
- Investigation of plastic deformation of IN738 supper alloy 2014-2015 (Mashhad University)
- Production of Al/GNPs and CNTS nanocomposites– 2017 (Mashhad University)

طرح ریاست جمهوری توسعه و تولید کامپوزیت زمینه **Al7075** با اثر بخشی فوق العاده استحکام تقویت شده با **CNT+GNP** داوری شده و در مرحله بررسی نهایی ۱۳۹۸
 طرح بین الملل بررسی اثر تقویت کننده **GNP** و **CNT** روی آلیاژهای آنترتروپی بالا بین دانشگاه حکیم سبزواری، دانشگاه فردوسی مشهد و دانشگاه **NUS** سنگاپور ۱۳۹۹

پایان نامه

- (۱) کارشناسی ارشد خانم حمیده ارشادی کیا با عنوان بررسی تاثیر بور رفتار تغییرشکل گرم سوپرآلیاژ IN718
- (۲) کارشناسی ارشد خانم نرگس بیات با عنوان بررسی رفتار تبلور مجدد متادینامیک فولاد زنگ نزن سوپر آستنیتی ۱۶ Cr25Ni6Mo
- (۳) کارشناسی ارشد آقای مهدی چمن آرا با عنوان تاثیر فاز بیست وجهی بر ریز ساختار و خواص مکانیکی آلیاژ-Mg Zn-Y
- (۴) کارشناسی ارشد آقای علی تابش با عنوان بررسی خواص مکانیکی و ریزساختار کامپوزیت زمینه آلومینیومی تقویت شده با نانولوله کربنی و آلومینا تولید شده توسط فرایند نورد اتصال انباشتی ترکیبی
- (۵) کارشناسی ارشد علی برغمندی با عنوان تغییر شکل پلاستیک شدید یک مرحله ای حاصل از ترکیب فرایندهای اکستروژن برشی ساده و اکستروژن
- (۶) کارشناسی ارشد مریم خواجه جعفری عنوان پایان نامه/رساله به فارسی: بررسی رفتار کارگرم و تحولات ریزساختاری فولاد زنگ نزن دوفازی 2304+0.03Ti
- (۷)
- (۸) دکتری آقای مهدی کاویانی با عنوان بررسی ریزساختار، رفتار مکانیکی و خواص بیوخوردگی آلیاژ کار شده-Mg Zn-Ca-Mn

۹) دکتری شادی رمضان زاده با عنوان رفتار مکانیکی، ریز ساختار و خواص خوردگی کامپوزیت با هدف بهبود کارپذیری و زیست سازگاری $Mg-Sr-Ca-xGNP-xMgO$

۱۰) دکتری آقای مسعود خانی با عنوان مطالعه خواص ریز ساختاری و مکانیکی و بیو خوردگی هیبرید نانو بیوکامپوزیت $Mg-0.8Mn-0.5Ca/Gr+FA$ تولید شده به روش ریخته گری همزن مکانیکی و اکستروژن در کانال های نیمه برابر زاویه دار

۱۱) دکتری، سمانه میرزایی، بررسی رفتار تغییر شکل گرم سوپر آلیاژ پایه نیکل در دمای بالا