



## Ghanbarali Sheikhzadeh Nooshabadi

Professor

College: Faculty of Mechanical Engineering

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### Employment Information

Faculty/Department	Position/Rank	Employment Type	Cooperation Type	Grade
(not set)	(not set)	Tenured	Full Time	35

### Papers in Conferences

1. Ghanbarali Sheikhzadeh, Mojtaba Sepehrnia, Sahar Mohammadi. Effect of narrow enclosure deviation angle on entropy generation of Ag-water nanofluid turbulent natural convection. 26th Annual International Conference of Iranian Society of Mechanical Engineers - Semnan University. 24-26 April, 2018.
2. Ghanbarali Sheikhzadeh, Ali Marzban, Majid Zarringhalam, Gholamreza Ahmadi Sheikh Shabani, Omid Ali Akbari. Laboratory examination of heat transfer parameters Copper Oxide/water nanofluid in double-tube heat exchanger. 3rd Iranian Conference on Heat and Mass Transfer-ICHMT 2017. Babol Noshirvani University of Technology. 22-23 November, 2017.
3. GA Sheikhzadeh, Reza Dadsetani, Mohammad Reza Safaei. Exergoeconomic Optimization of Liquefying Cycle for Noble Gas Argon. 3rd Iranian Conference on Heat and Mass Transfer-ICHMT 2017. Babol Noshirvani University of Technology. 22-23 November, 2017.
4. F. Nejati, G.A. Sheikhzadeh, F. Pourfattah, Wings shape effect on behavior of hybrid nanofluid in a vortex generator channel, 3rd Iranian Conference on Heat and Mass Transfer-ICHMT 2017, Babol Noshirvani University of Technology, 22-23 November, 2017.
5. G. A. Sheikhzadeh, A. Gheibi. Large eddy simulation of turbulent flow in a three-way section using lattice Boltzmann method. First International Conference in New Research on Mechanic, Mechatronic & Biomechanics. AmirKabir University of Technology Tehran, May 26 2016.
6. علی بلال، قنبر علی شیخ زاده، ابوالفضل فتاحی، مروری بر سامانه های فوتوولتاییک حرارتی و بررسی راهکارهای بهبود . عملکرد آن، سی و دومین همایش سالانه بین المللی انجمن مهندسان مکانیک ایران، ۱ - اراک، ۲۴-۲۵ ۰۷ ۰۷ .
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9. مهدی سپهری، قنبر علی شیخ زاده، مصطفی محبوبی، مطالعه عددی افزودن همزمان میکرودرنده و دیواره های موجی

- شکل به مینی کانال چاه حرارتی ماریچی- حلزونی، سی و دومین همایش سالانه بین المللی انجمن مهندسان مکانیک ایران، ۱- اراک، ۲۰۲۴، ۵۵ ۰۷ .
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11. احمد بیت الهی توکلی، قنبر علی شیخ زاده، ابوالفضل حاجی‌زاده اقدم، مطالعه و بررسی انواع روش‌های مدرن شیرین‌سازی آب شور، مزایا و معایب، فرصت‌ها و چالش‌ها، چهارمین کنفرانس ملی داده‌کاوی در علوم زمین، ۱- اراک، ۲۰۲۴، ۱۹ ۰۲ .
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15. Mostafa Mahboobi, Heat Transfer Enhancement in Serpentine Mini-Channel Heat Sink by Wavy Side Walls and CuO Nanofluid, 20th Fluid Dynamics Conference, 1 - 08 11 2023, سمنان .

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1. Faezeh Nejati Barzoki, Ghanbar Ali Sheikhzadeh, Morteza Khoshvaght Aliabadi, Ali Akbar Abbasian Arani, ASSESSMENT OF VORTEX GENERATOR SHAPES FOR ENHANCING THERMOHYDRAULIC PERFORMANCE OF FLUID FLOW IN A CHANNEL EQUIPPED WITH PERFORATED CHERVON PLATE-FIN, International Journal of Numerical Methods for Heat & Fluid Flow, January 2021.
2. Masomeh Ebrahim Qomi Ghanbar Ali Sheikhzadeh Abolfazl Fattahi, Heat transfer enhancement in a microchannel using a pulsating MHD hybrid nanofluid flow, Energy Sources, Nov 2020.
3. Reza Dadsetani Ghanbar Ali Sheikhzadeh Mohammad Reza Safaei Arturo S. Leon Marjan Goodarzi, Cooling Enhancement and Stress Reduction Optimization of Disk-Shaped Electronic Components Using Nanofluids, Symmetry, ۹۳۱ شماره صفحات ۶، شماره ۱۲، June ۲۰۲۰.
4. Seyed Mohammad Mousavi, Omid Ali Akbari, Ghanbarali Sheikhzadeh, Ali Marzban, Davood Toghraie and Ali J. Chamkha, Two-phase modeling of nanofluid forced convection in different arrangements of elliptical tube banks, International Journal of Numerical Methods for Heat and Fluid Flow, مجلد ۳۰، شماره ۴، June ۲۰۱۹، ۱۹۶۶، ۱۹-۱۹۳۷ صفحات.
5. Reza Dadsetani, Ghanbar Ali Sheikhzadeh, Mohammad Reza Hajmohammadi, Mohammad Reza Safaei, Introduce a novel configuration of microchannel and high-conductivity inserts for cooling of disc-shaped electronic components, International Journal of Numerical Methods for Heat and Fluid Flow, Vol. 30, No. 6, pp. 2845-2859, 03 March 2019.
6. A. Sobhani Nasab H. Pourmohamadian M. Rahimi, & Nasrabadi G. A. Sheikhzadeh H. Basirat Tabrizi, Evaluation of the thermal properties of SrCO<sub>3</sub>-microencapsulated palmitic acid composites as thermal energy storage materials, Journal of Thermal Analysis and Calorimetry, No. 140, pp. 2123-2130, November 2019.
7. M. Ashoori, G. A. Sheikhzadeh, S. Sadripour, The effects of using ceiling fans on human thermal comfort in a three-dimensional room with centralized heating including an occupant, International Journal of Numerical Methods for Heat and Fluid Flow, Vol. 29, No. 10, pp. 3976-3993, 7 October 2019.
8. Alireza Aghaei, Hossein Khorasanizadeh, and Ghanbar Ali Sheikhzadeh, A numerical study of the effect of the magnetic field on turbulent fluid flow, heat transfer and entropy generation of hybrid nanofluid in a trapezoidal enclosure, THE EUROPEAN PHYSICAL JOURNAL PLUS, 28 June 2019.
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11. Behrouz Mozafari, Ali Akbar Abbasian Arani, Ghanbar Ali Sheikhzadeh, Mahmoud Salimi, Brownian models effect on turbulent fluid flow and heat transfer and entropy generation of water/boehmite alumina nanofluid inside enclosure, *International Journal of Numerical Methods for Heat and Fluid Flow*, June 2019.
  12. Reza Dadsetani, Ghanbar Ali Sheikhzadeh, Abdulwahab A. Alnaqi, Reza Amirioon, Exergoeconomic optimization of liquefying cycle for noble gas argon, *Heat and Mass Transfer*, Vol. 55, No. 7, pp. 1995–2007, July 2019.
  13. Ghanbar Ali Sheikhzadeh, Faezeh Nejati Barzoki, Ali Akbar Abbasian Arani, Farzad Pourfattah, Wings shape effect on behavior of hybrid nanofluid inside a channel having vortex generator, *Heat and Mass Transfer*, Vol. 55, No. 7, pp. 1969–1983, July 2019.
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  15. Ghanbar Ali Sheikhzadeh, Farhad Monfaredi, Ali Reza Aghaei, Soroush Sadripour, Mohammad Adibi, Numerical analysis of thermal-hydraulic properties of turbulent aerosol-carbon black nanofluid flow in corrugated solar collectors with double application, *Journal of Transport Phenomena in Nano and Micro Scales (TPNMS)*, Vol. 7, No. 1, pp. 37-52, Winter and Spring 2019.
  16. Pourmohamadian Hossein, Sheikhzadeh Ghanbar Ali, Aghaei Alireza, Ehteram Hamidreza, Adibi Mohammad, Investigating the effect of Brownian motion models on heat transfer and entropy generation in nanofluid forced convection, *THERMAL SCIENCE*, Vol. 23, No. 2, pp. 485-496, February 2019.
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  19. Majid dastmalchi; Ali Arefmanesh; Ghanbar Ali Sheikhzadeh, Experimental study of fluid flow and heat transfer of  $\text{Al}_2\text{O}_3$ -water nanofluid in helically coiled micro-finned tubes, *Amirkabir Journal of Mechanical Engineering*, Available Online from 29 May 2018, In Farsi with English abstract.
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