

## Accepted Manuscript

Optimization of heat transfer enhancement and pumping power of a heat exchanger tube using gradient and multi-layered porous foams

Majid Siavashi, Hamid Reza Talesh Bahrami, Ehsan Aminian

PII: S1359-4311(17)37984-X  
DOI: <https://doi.org/10.1016/j.applthermaleng.2018.04.066>  
Reference: ATE 12063

To appear in: *Applied Thermal Engineering*

Received Date: 17 December 2017  
Revised Date: 21 March 2018  
Accepted Date: 12 April 2018

Please cite this article as: M. Siavashi, H.R.T. Bahrami, E. Aminian, Optimization of heat transfer enhancement and pumping power of a heat exchanger tube using gradient and multi-layered porous foams, *Applied Thermal Engineering* (2018), doi: <https://doi.org/10.1016/j.applthermaleng.2018.04.066>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



# Optimization of heat transfer enhancement and pumping power of a heat exchanger tube using gradient and multi-layered porous foams

---

**Majid Siavashi (Corresponding author):**

*Assistant Professor*

Applied Multi-Phase Fluid Dynamics Lab., School of Mechanical Engineering, Iran University of Science and Technology, Iran

**Email:** [msiavashi@iust.ac.ir](mailto:msiavashi@iust.ac.ir)

**Postal address:** School of Mechanical Engineering, Iran University of Science and Technology, Narmak, Tehran, Iran. Postal Code: 1684613114.

**Telephone:** +98 21 77240391.

**Fax:** +98 21 77240488.

**Hamid Reza Talesh Bahrami**

*PhD Student*

School of Mechanical Engineering, Iran University of Science and Technology, Iran.

Email: [h\\_talesh@mecheng.iust.ac.ir](mailto:h_talesh@mecheng.iust.ac.ir)

**Ehsan Aminian**

*MSc Student*

Applied Multi-Phase Fluid Dynamics Lab., School of Mechanical Engineering, Iran University of Science and Technology, Iran

Email: [ehsan.aminian70@gmail.com](mailto:ehsan.aminian70@gmail.com)

April 2018

متن کامل مقاله

دریافت فوری ←

**ISI**Articles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات