

## Assoc. Prof. ERMAN ASLAN

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### Foreign Languages

English, C1 Advanced

### Research Areas

Energy, Thermodynamics

### Academic Titles / Tasks

Associate Professor, Kocaeli University, Mühendislik Fakültesi, Makina Mühendisliği, 2021 - Continues

### Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- I. **A Numerical Analysis of Convection Heat Transfer and Friction Factor for Oscillating Corrugated Channel Flows**  
Aslan E., Ozsaban M., Ozcelik G., Guven H. R.  
HEAT TRANSFER ENGINEERING, vol.42, pp.181-190, 2021 (Journal Indexed in SCI)
- II. **Computational investigation of the velocity and temperature fields in corrugated heat exchanger channels using RANS based turbulence models with experimental validation**  
ASLAN E., Taymaz I., Islamoglu Y., Engin M., Colpan I., Karabas G., Ozcelik G.  
PROGRESS IN COMPUTATIONAL FLUID DYNAMICS, vol.18, no.1, pp.33-45, 2018 (Journal Indexed in SCI)
- III. **Finite volume simulation for convective heat transfer in wavy channels**  
ASLAN E., Taymaz I., Islamoglu Y.  
HEAT AND MASS TRANSFER, vol.52, no.3, pp.483-497, 2016 (Journal Indexed in SCI)
- IV. **Numerical investigation of the heat transfer and pressure drop on tube bundle support plates for inline and staggered arrangements**  
Asian E.  
PROGRESS IN COMPUTATIONAL FLUID DYNAMICS, vol.16, no.1, pp.38-47, 2016 (Journal Indexed in SCI)
- V. **Investigation of LBM curved boundary treatments for unsteady flows**  
ASLAN E., Taymaz I., Benim A. C.  
EUROPEAN JOURNAL OF MECHANICS B-FLUIDS, vol.51, pp.68-74, 2015 (Journal Indexed in SCI)
- VI. **NUMERICAL INVESTIGATION OF INCOMPRESSIBLE FLUID FLOW AND HEAT TRANSFER ACROSS A BLUFF BODY IN A CHANNEL FLOW**  
Taymaz I., Aslav E., Benim A. C.  
THERMAL SCIENCE, vol.19, no.2, pp.537-547, 2015 (Journal Indexed in SCI)
- VII. **A note on modelling non-rectangular boundaries by the Lattice Boltzmann Method**  
Asian E., Nahavandi A., Taymaz I., Benim A. C.

PROGRESS IN COMPUTATIONAL FLUID DYNAMICS, vol.12, no.6, pp.433-438, 2012 (Journal Indexed in SCI)

VIII. **Lattice Boltzmann Method for Laminar Forced Convection in a Channel with a Triangular Prism**

Benim C., ASLAN E., Taymaz I.

HEAT TRANSFER RESEARCH, vol.42, no.4, pp.359-377, 2011 (Journal Indexed in SCI)

### **Refereed Congress / Symposium Publications in Proceedings**

I. **Numerical investigation for convective heat transfer and friction factor under pulsating flow conditions**

ASLAN E., Ozsaban M., Ozcelik G., Guven H. R.

11th International Conference on Computational Heat, Mass and Momentum Transfer (ICCHM2T), Cracow, Poland, 21 - 24 May 2018, vol.240

II. **Application of the Lattice Boltzmann Method to Steady Incompressible Laminar High Re Flows**

Benim A. C., ASLAN E., Taymaz I.

7th IASME/WSEAS International Conference on Fluid Mechanics and Aerodynamics (FMA'09), Moscow, Russia, 20 - 22 August 2009, pp.220-221

### **Citations**

Total Citations (WOS):44

h-index (WOS):3