**Mirsadegh Seyedzavvar**

**Selected Publications**

1. M. Shabgard, M. Seyedzavvar, M. Mohammadpourfard, Experimental investigation into

lubrication properties and mechanism of vegetable-based CuO nanofluid in MQL

grinding. Accepted for publication, The International Journal of Advanced Manufacturing

Technology, DOI: 10.1007/s00170-017-0319-9, 2017.

1. M. Shabgard, M. Seyedzavvar, H. Abbasi, Investigation into Properties of Graphite

Nanofluid Synthesized by Electro Discharge Process, The International Journal of

Advanced Manufacturing Technology, 2017, 90: 1203–1216.

1. M. Shabgard, S. Seydi, M. Seyedzavvar, Novel approach towards finite element analysis

of residual stresses in electrical discharge machining process. International Journal of

Advanced Manufacturing Technology, 2016, 82: 1805–1814.

1. M. Shabgard, H. Faraji, B. Khosrozadeh, K. Amini, M. Seyedzavvar, Experimental

investigation into the EDM process of γ-TiAl, Turkish Journal of Engineering &

Environmental Sciences, 2015, 38: 231–239.

1. M. Shabgard, M. Seyedzavvar, R. Abbaspour, Effect of workpiece material on the

machine-ability and surface integrity in EDM Process, International Journal of Machining

and Machinability of Materials, in the process of publication, 2013, Vol. 14, DOI:

10.1504/IJMMM.2013.057603

 6. M. Shabgard, R. Ahmadi, M. Seyedzavvar, S. Nadimi Bavil Oliaei, Mathematical and

Numerical modeling of the Effect of Input-parameters on the Flushing Efficiency of

Plasma Channel in EDM process, International Journal of Machine Tools and

Manufacture, 2013, 65: 79–87.

1. M. Shabgard, H. Kakolvand, M. Seyedzavvar, R. Shotorbani, “Ultrasonic assisted EDM:

the effect of the workpiece vibration in the machining characteristics of FW4 Welded

Metal”, Journal of Frontiers of Mechanical Engineering – Springer, 2011, 6: 419–428.

1. M. Shabgard, S. Nadimi Bavil Oliaei, M. Seyedzavvar, A. Nejadebrahimi, Experimental

investigation and 3D finite element prediction of the white layer thickness, heat affected

zone, and surface roughness in EDM process, Springer - Journal of Mechanical Science

and Technology (JMST), 2011, 25: 1–11.

1. M. Shabgard, M. Seyedzavvar, S. Nadimi BavilOliaei, Influence of input parameters on

characteristics of EDM process, Strojniški vestnik - Journal of Mechanical Engineering,

2011, 57: 689–696.

1. M. Shabgard, M. Seyedzavvar, S. Nadimi BavilOliaei, A. Ivanov, A numerical method

for predicting the depth of heat affected zone in EDM process for AISI H13 tool steel,

Journal of scientific & industrial research (JSIR), 2011, 70: 493–499.