

CURRICULUM VITAE

PERSONAL INFORMATION

Family name, First name: YAMANOGLU, RIDVAN

Researcher unique identifier ORCID [0000-0002-4661-8215](https://orcid.org/0000-0002-4661-8215)

Date of birth: 13.06.1977

Nationality: TURKEY

URL for web site: <http://akademikpersonel.kocaeli.edu.tr/ryamanoglu/>

Personel web page: www.ryamanoglu.com

• EDUCATION

2011 PhD
Engineering Faculty/ Metallurgical and Materials Department, Kocaeli University,
Turkey

2005 Master
Engineering Faculty/ Metallurgical and Materials Department, Kocaeli University,
Turkey

• CURRENT POSITION

2017 – Associated Professor
Engineering Faculty/ Metallurgical and Materials Engineering, Kocaeli University/
Turkey

• PREVIOUS POSITION

2002 – 2011 Research Assistant
Engineering Faculty/ Metallurgical and Materials Engineering, Kocaeli University/
Turkey

2011 – 2017 Assistant Professor
Engineering Faculty/ Metallurgical and Materials Engineering, Kocaeli University/
Turkey

• FELLOWSHIPS

2014 – 2014 Postdoctoral Research Fellowship from The Scientific and Tech. Research Council of
TURKEY in Engineering Faculty/ Mechanical Engineering Department, San Diego
State University/ USA

2009 – 2010 Predoctoral Research Fellowship from The Council of Higher Education of TURKEY
in Engineering Faculty/ Mechanical Engineering Department, San Diego State
University/ USA

• SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

2018 – 20-- 5 Master and 4 PhD Students (still going on) All of them are related to powder
metallurgy
Engineering Faculty/ Metallurgical and Materials Engineering, Kocaeli University/
Turkey

2015-2020 Co-supervising of a PhD Student, working on WC with different binder systems

2016-2021 Co-supervising of a PhD student working on nanocomposites

• TRAINING ACTIVITIES

2010 Tutorial, Metal Injection Moulding, Long Beach, USA

2011 Course, Powder Metall., Fundamentals and Mass Production, Helsinborg, Sweden

2012 Course, Powder Metallurgy, Advances Processes and Materials, Vienna, Austria

2015 Course, Atomization, Manchester, England

- **TEACHING ACTIVITIES**

2011 – 2022 Lecturer – Introduction to Metall. and Mater. Science, Kocaeli University/ Turkey
2011 – 2022 Lecturer – Powder Metallurgy, Kocaeli University/ Turkey
2011 – 2022 Lecturer – Computer Aided Design, Kocaeli University/ Turkey
2014 – 2022 Lecturer – Powder Metallurgical Materials, Kocaeli University/ Turkey
2016 – 2018 Lecturer – Material Science, Kocaeli University/ Turkey
2016 – 2022 Lecturer – Material Production Techniques, Kocaeli University/ Turkey
2011 – 2022 Lecturer – Economical and Environmental Factors in Material Sciences, Kocaeli University/ Turkey

- **ORGANISATION OF SCIENTIFIC MEETINGS**

2005 Speaker, International Metallurgical and Materials Conference, Turkey
2005 Speaker, International Fracture Conference, Turkey
2005 Speaker, International Powder Metallurgy Conference, Turkey
2008 Speaker, International Ceramic Conference, Turkey
2008 Speaker, International Materials Conference, Turkey
2008 Speaker, International Powder Metallurgy Conference, Turkey
2008 Speaker, National Automotive Congress, Turkey
2011 Speaker, International Powder Metallurgy Conference, Turkey
2011 Speaker, European Congress on Advanced Materials and Processes, France
2015 Speaker, Int. Conf. on Smart Manufacturing Technologies, Saint Petersburg, Russia
2015 Reviewer of a two European Projects
2017 Speaker, International Conference on Materials Processes and Applications, Barcelona, Spain
2017 Speaker, International Conference on Materials Processes and Analysis, Paris, Fransa

- **INSTITUTIONAL RESPONSIBILITIES**

2015 – 2016 Graduate Student Advisor, Kocaeli University/ Turkey
2005 Secretary of International Fracture Conference/ Kocaeli University/ Turkey
2015 – 2016 Member of Undergraduate Transfer Committee; Kocaeli University/ Turkey

- **COMMISSIONS OF TRUST**

2018 Technical committee member of ICSMT 2018 (The 3rd International Conference on Smart Materials Technologies, Moscow, Russia) June 21-23, 2018.
2017 Scientific Committee Member of CAM2017 (Congres Algerian de Macanique), Constantine, Algeria
2016 World Academy of Science, Engineering and Technology, International Scientific Committee and Editorial Review Board
2016 Technical Committee Member of International Conf. on Smart Manufacturing Technologies
2017 Technical Committee Member of International Conf. on Smart Manufacturing Technologies
2016 Technical Committee Member of International Conference on Aerospace Engineering
2016 Review Board, Kocaeli University/ Technopark/ Turkey
2014 Reviewer, Journal of Alloy and Compounds
2014 Reviewer of 19 TUBITAK projects

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

2016 Elsevier Recognized reviewer
2014 Member of American Association for Science and Technology

- **RESEARCH INTERESTS**

Powder Metallurgy
 Additive Manufacturing
 Metal Injection Moulding
 Composite Materials
 Metal Powder Production for Additive Manufacturing
 Titanium and its Alloys
 Hot Pressing
 Spark Plasma Sintering
 Material Characterization
 Biomedical Materials

- **AWARDS**

2016 “Best Paper Award” in International Conference on Materials Processes and Applications, Barcelona, Spain
 2019 “Academic Achievement Award”, Kocaeli University, Turkey

Some Scientific Papers

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| 1) A. Mameri, I. Daoud, A. Rezzoug, S. Azem, R. Yamanoglu, “Tribological properties of in situ oxide reinforced nickel matrix composites produced by pressure assisted sintering”, International Journal of Advanced Manufacturing Technology, (2022). In Press |
| 2) A. Bahador, J. Umeda, R Yamanoglu, H. Ghandvar, “Deformation mechanism and enhanced properties of Cu-TiB2 composites evaluated by in-situ tensile test and microstructure characterization”, Journal of Alloys and Compounds, 8447, (2020), 156555. |
| 3) A Bahador, J Umeda, R Yamanoglu, A Amrin, A Alhazaa, K Kondoh, Ultrafine-grain formation and improved mechanical properties of novel extruded Ti-Fe-W alloys with complete solid solution of tungsten, Journal of Alloys and Compounds, 875 (2021): 160031. |
| 4) A Bahador, A Issariyapat, J Umeda, R Yamanoglu, Strength–ductility balance of powder metallurgy Ti–2Fe–2W alloy extruded at high-temperature, Journal of Materials Research and Technology, 14 (2021): 677-691. |
| 5) A Bahador, J Umeda, H Ghandvar, TAA Bakar, R Yamanoglu, Microstructure globularization of high oxygen concentration dual-phase extruded Ti alloys via powder metallurgy route . Materials Characterization 172 (2021): 110855. |
| 6) R. Yamanoglu, “Network distribution of molybdenum among pure titanium powders for enhanced wear properties”, Metal Powder Report, 76(1) (2020): 32-39. |
| 7) R. Yamanoglu, F. Khoshnaw, I. Daoud, E. Efendi, “Effect of silver content on the wear and mechanical properties of powder metallurgical Ti-5Al-2.5Fe-xAg alloys, Journal of Mining and Metallurgy, 56(1) (2020) 119-125. |
| 8) Azarniya, Abolfazl, et al. "Physicomechanical Properties of Porous Materials by Spark Plasma Sintering." Critical Reviews in Solid State and Materials Sciences (2020): 1-44. |
| 9) Yamanoglu, R. Pressureless Spark Plasma Sintering: A Perspective from Conventional Sintering to Accelerated Sintering Without Pressure. Powder Metallurgy and Metal Ceramics, (2019) 1-13. |
| 10) Daoud, I., D. J. Miroud, and R. Yamanoglu. "Microstructure characterization and quantitative analysis of copper alloy matrix composites reinforced with WC-xNi powders prepared by Spontaneous Infiltration." Journal of Mining and Metallurgy B: Metallurgy 54.2 (2018): 169-177. |
| 11) Telli, M. B., R. Yamanoglu, and H. Sanlı. "Titanium-304L Stainless Steel Joining by Powder Metallurgical Uniaxial Pressing under Vacuum Conditions." Acta Physica Polonica, A.134.1 (2018). |
| 12) Yamanoglu, R., Daoud, I., & Olevsky, E. A. (2018). Spark plasma sintering versus hot pressing–densification, bending strength, microstructure, and tribological properties of Ti5Al2. 5Fe alloys. Powder Metallurgy, 61(2), 178-186. |
| 13) Karabay, S., Ertürk, A. T., Zeren, M., Yamanoğlu, R., & Karakulak, E. (2018). Failure analysis of wire-breaks in aluminum conductor production and investigation of early failure reasons for transmission lines. Engineering Failure Analysis, 83, 47-56. |
| 14) Yamanoglu, R., Kolayli, F., Efendi, E., Uzuner, H., Doud, I., (2018) Production and mechanical properties of Ti-5Al-2.5Fe-xCu alloys for biomedical applications, Biomedical Materials. 13(2), 025013. |
| 15) Yamanoglu, R., Gulsoy, N., Olevsky, E. A., & Gulsoy, H. O. (2016). Production of porous Ti5Al2. 5Fe alloy via pressureless spark plasma sintering. Journal of Alloys and Compounds, 680, 654-658. |
| 16) Yamanoglu, R., & Efendi, E. (2016). Enhanced surface properties of iron by in situ hard nickel coating. Materials Testing, 58(2), 151-154. |
| 17) Karakulak, E., Koç, F. G., Yamanoglu, R., & Zeren, M. (2016). Mechanical properties of hypoeutectic Al-Ni alloys with |

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| Al ₃ Ni intermetallics. <i>Materials Testing</i> , 58(2), 117-121. |
| 18) Yamanoglu, R. (2015). In Situ Aluminum Alloy Coating on Magnesium by Hot Pressing. <i>Acta Metallurgica Sinica (English Letters)</i> , 28(8), 1059-1064. |
| 19) Karakulak, E., Yamanoglu, R., Erten, U., Zeren, A., Zor, S., & Zeren, M. (2014). Investigation of corrosion and mechanical properties of Al-Cu-SiC-xNi composite alloys. <i>Materials & Design</i> , 59, 33-37. |
| 20) Yamanoglu, R., Bradbury, W., Karakulak, E., Olevsky, E. A., & German, R. M. (2014). Characterisation of nickel alloy powders processed by spark plasma sintering. <i>Powder Metallurgy</i> , 57(5), 380-386. 20 |
| 21) Yamanoglu, R. (2014). Production and characterization of Al-xNi in situ composites using hot pressing. <i>Journal of Mining and Metallurgy. Section B: Metallurgy</i> , 50(1), 45. |
| 22) Yamanoglu, R., Karakulak, E., Zeren, A., & Zeren, M. (2013). Effect of heat treatment on the tribological properties of Al-Cu-Mg/nanoSiC composites. <i>Materials & Design</i> , 49, 820-825. |
| 23) Fidan, S., Avcu, E., Karakulak, E., Yamanoglu, R., Zeren, M., & Sinmazcelik, T. (2013). Effect of heat treatment on erosive wear behaviour of Ti6Al4V alloy. <i>Materials science and Technology</i> , 29(9), 1088-1094. |
| 24) Yamanoglu, R., Karakulak, E., Zeren, M., & Koç, F. G. (2013). Effect of nickel on microstructure and wear behaviour of pure aluminium against steel and alumina counterfaces. <i>International Journal of Cast Metals Research</i> , 26(5), 289-295. |
| 25) Karakulak, E., Zeren, M., & Yamanoglu, R. (2013). Effect of heat treatment conditions on microstructure and wear behaviour of Al ₄ Cu ₂ Ni ₂ Mg alloy. <i>Transactions of Nonferrous Metals Society of China</i> , 23(7), 1898-1904. |
| 26) Yamanoglu, R., Bradbury, W., Olevsky, E. A., & German, R. M. (2013). Sintering and microstructure characteristics of 42CrMo4 steel processed by spark plasma sintering. <i>Metals and Materials International</i> , 19(5), 1029. |
| 27) Yamanoglu, R., Zeren, M., & German, R. M. (2012). Solidification characteristics of atomized AlCu ₄ Mg ₁ -SiC composite powders. <i>Journal of Mining and Metallurgy B: Metallurgy</i> , 48(1), 73-79. |
| 28) Yamanoglu, R., Bradbury, W. L., Olevsky, E. A., & German, R. M. (2012). Comparative evaluation of densification and grain size of ZnO powder compacts during microwave and pressureless spark plasma sintering. <i>Advances in Applied Ceramics</i> , 111(7), 422-426. |
| 29) " Yamanoglu, R., Karakulak, E., & Zeren, M. (2012). Mechanical and wear properties of pre-alloyed molybdenum P/M steels with nickel addition. <i>Journal of Mining and Metallurgy B: Metallurgy</i> , 48(2), 251-258. |
| 30) Yamanoglu, R., German, R. M., Karagoz, S., Bradbury, W. L., Zeren, M., Li, W., & Olevsky, E. A. (2011). Microstructural investigation of as cast and PREP atomised Ti-6Al-4V alloy. <i>Powder Metallurgy</i> , 54(5), 604-607. |
| 31) Karagöz, Ş., Yamanoglu, R., Yilmaz, A., & Atapek, Ş. H. (2010). Effect of Nickel Addition and Porosity on Fracture Behaviour of Molybdenum Alloyed Powder Metallurgical Steel. <i>Materials Testing</i> , 52(4), 227-233. |
| 32) Karagoz, S., Sarlak, A. Y., Yamanoglu, R., & Atapek, S. H. (2009). Macro-and Microexaminations on Titanium-based Implant Materials: Relation of Porosity Distribution-connective Tissue. <i>Artificial Organs</i> , 33(8), A99. |