

# ASSOC. PROF. DR. SİNAN AKSÖZ



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## Address

Kınıklı mh. Hüseyin Yılmaz cd.  
Pamukkale Teknokent  
Denizli, Turkey

## Date of birth

09.05.1984

## SKILLS

### Computer

-Solidworks CAD  
-AutoCAD  
-MS Office

### Language

-Turkish  
-English

## RESEARCH AREAS

Shape Memory Alloys, NiTiInol,  
NiTiInol Shaping

Casting and Alloys

Microstructure characterization; SEM,  
EDAX, XRD, EBSD, DMA, DCS,

Hardness, Tensile Test, Charpy  
Impact Test, Three Point Bending,

## EDUCATIONS

License : 2003–2007, Gazi University,  
Ankara, Turkey Technical Education Faculty,  
Metal Education Department, Casting  
Teaching Program (2003 - 2007), (3,36 - 4  
system)

M.Sc. : 2007–2009, Gazi University,  
Ankara, Turkey  
§ Master's degree in Metal Education  
Department

Title of M.Sc. Thesis: "Production of Al4C3  
phase from carbon and AA2014 alloy  
powders by means of solid phase reaction  
technique and its effect on ageing"

Pd.D. : 2009–2015, Gazi University,  
Ankara, Turkey

Doctora's degree in Metal Education  
Department

Title of Ph.D. Thesis: "Production of nickel –  
titanium shaped memory alloys by powder  
injection moulding method and determination  
of production parameters"

## WORK EXPERIENCES

Aksöz R&D Engineering Company – Manager and Owner, 2020-

Pamukkale Uni., Technology Faculty, Department of Metallurgy and  
Mater. Eng.- Lecturer, 2018-

Gazi Uni., Machinery and Metal Technology Dept. Turkey Lecturer,  
2010 (9) – 2018 (2)

## PUBLICATIONS

[Aksöz S., Bostan B. ve Kaplan Y., "An investigation on the effects of  
boronizing process on microstructure and microhardness of NiTi alloy  
produced by P/M technique", Journal of Politeknik, 24(2): 539-544, (2021).

Aksöz, S., Demir, Ü., Ada, H., & Bostan, B. (2020). Rheological Investigation  
of Prealloyed NiTi Shape Memory Alloy Powders. Materials Today:  
Proceedings, 32, 2-11.

Sinan Aksöz, Bülent Bostan, "Characteristic Properties of NiTi Shape Memory  
Alloy Powders with Powder Injection Molding", Springer International  
Publishing Switzerland., (129-141), (2014).

Sinan Aksöz, "Microstructural and Mechanical Investigation of NiTi  
Intermetallics Produced by Hot Deformation Technique", Arab J Sci Eng;  
42:2573–2581, (2017).

Sinan Aksöz., Ümit Demir, Hakan Ada, Hakan Gökmeşe, Bülent Bostan.  
"Microstructural Investigation of Ni and Ti Powders by Using Mechanical  
Alloying Method on NiTi Shape Memory Alloy Powders", GU J Sci, Part  
C,5(1): 99-106, (2017).