

## Prof. RAİF ORHAN YILDIRIM

### Personal Information

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### Advising Theses

Dal H., Yıldırım R. O. , Dynamic fracture of explosive bolt, Post Graduate, B.GÖKÇE(Student), 2018

YILDIRIM R. O. , Design of a frangible composite cover for missile launch tube, Post Graduate, O.AKKAŞ(Student), 2018

YILDIRIM R. O. , Investigation of layered-spaced and oblique mild steel targets against 7.62 mm AP projectile, Post Graduate, M.ÇAKIR(Student), 2017

YILDIRIM R. O. , Investigation of dynamic behavior of aluminum alloy armor materials, Doctorate, M.MACAR(Student), 2014

YILDIRIM R. O. , INVESTIGATION ON PARAMETERS AFFECTING FORMATION AND PENETRATION OF EXPLOSIVELY FORMED PENETRATOR (EFP), Doctorate, Ç.GÖRKEM(Student), 2012

ÖGEL B., YILDIRIM R. O. , Effect of aging on the mechanical properties of boron carbide particle reinforced aluminum metal matrix composites, Doctorate, M.SERDAR(Student), 2007

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

- **The ballistic performance of SiC-AA7075 functionally graded composite produced by powder metallurgy**  
ÜBEYLİ M., BALCI E., Sarikan B., ÖZTAŞ M. O. , CAMUŞCU N., YILDIRIM R. O. , KELEŞ Ö.  
MATERIALS & DESIGN, vol.56, pp.31-36, 2014 (Journal Indexed in SCI)
- **On the ballistic performance of the AA7075 based functionally graded material with boron carbide reinforcement**  
Balci E., Sarikan B., ÜBEYLİ M., CAMUŞCU N., YILDIRIM R. O.  
KOVOLVE MATERIALY-METALLIC MATERIALS, vol.51, pp.257-262, 2013 (Journal Indexed in SCI)
- **Investigation on the ballistic performance of a dual phase steel against 7.62 mm AP projectile**  
Ubeyli M., DEMİR T., Deniz H., YILDIRIM R. O. , KELEŞ Ö.  
MATERIALS SCIENCE AND ENGINEERING A-STRUCTURAL MATERIALS PROPERTIES MICROSTRUCTURE AND PROCESSING, vol.527, pp.2036-2044, 2010 (Journal Indexed in SCI)
- **Effect of Hardness on the Ballistic Impact Behavior of High-Strength Steels Against 7.62-mm Armor Piercing Projectiles**  
DEMİR T., Ubeyli M., YILDIRIM R. O.  
JOURNAL OF MATERIALS ENGINEERING AND PERFORMANCE, vol.18, pp.145-153, 2009 (Journal Indexed in SCI)
- **Effect of heat treatment on the formation of adiabatic shear bands in high strength steels impacted by AP projectiles**  
Ubeyli M., DEMİR T., YILDIRIM R. O. , Aycan M. F.  
KOVOLVE MATERIALY-METALLIC MATERIALS, vol.47, pp.409-413, 2009 (Journal Indexed in SCI)
- **Response of Alumina/4340 Steel Laminated Composites against the Impact of 7.62 mm Armor Piercing Projectiles**  
DEMİR T., Ubeyli M., YILDIRIM R. O. , Karakas M. S.  
SCIENCE AND ENGINEERING OF COMPOSITE MATERIALS, vol.16, pp.89-98, 2009 (Journal Indexed in SCI)
- **Investigation on the ballistic impact behavior of various alloys against 7.62 mm armor piercing projectile**

DEMİR T., Ubeyli M., YILDIRIM R. O.

MATERIALS & DESIGN, vol.29, pp.2009-2016, 2008 (Journal Indexed in SCI)

● **Investigation on the ballistic behavior of Al(2)O(3)/Al2O24 laminated composites**

Ubeyli M., YILDIRIM R. O. , ÖGEL B.

● JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.196, pp.356-364, 2008 (Journal Indexed in SCI)

● **On the comparison of the ballistic performance of steel and laminated composite armors**

Ubeyli M., Yildirim R. O. , Ogel B.

● MATERIALS & DESIGN, vol.28, pp.1257-1262, 2007 (Journal Indexed in SCI)

● **On the drop-weight testing of alumina/aluminum laminated composites**

Ubeyli M., Yildirim R., Ogel B.

● SADHANA-ACADEMY PROCEEDINGS IN ENGINEERING SCIENCES, vol.30, pp.673-686, 2005 (Journal Indexed in SCI)

● **LONGITUDINAL ELASTIC-WAVE PROPAGATION AND ENERGY FLUX AT A DISCONTINUITY OF 2 DISSIMILAR SEMIINFINITE CIRCULAR RODS**

YILDIRIM R.

JSME INTERNATIONAL JOURNAL SERIES A-MECHANICS AND MATERIAL ENGINEERING, vol.37, pp.495-501, 1994 (Journal Indexed in SCI)

### Refereed Congress / Symposium Publications in Proceedings

● **BALLISTIC PENETRATION OF HARDENED STEEL PLATES**

Deniz T., YILDIRIM R. O.

● 27th International Symposium on Ballistics (ISB), Freiburg, Germany, 22 - 26 April 2013, pp.1390-1401

● **DETRIMENTAL EFFECTS OF FLEXIBLE LINEAR SHAPED CHARGE (FLSC) TO NEARBY PLATES DUE TO VARYING BACKSPACE DISTANCE**

Bingol C. G. , Yildirim R. O.

● 26th International Symposium on Ballistics, Florida, United States Of America, 12 - 16 September 2011, pp.1553-1564

● **Analytical solution and experimental verification of shaped charge jet penetration**

Gozubuyuk S., Yildirim R. O.

● 8th Biennial Conference on Engineering Systems Design and Analysis, Turin, Italy, 4 - 07 July 2006, pp.419-425

### Citations

Total Citations (WOS):219

h-index (WOS):7