

# Prof. ALİ YAMAN

## Personal Information

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## International Researcher IDs

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## Education Information

Doctorate, Ankara University, Fen Fakültesi, Turkey 1989 - 1995

Postgraduate, Ankara University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), Turkey 1985 - 1988

Undergraduate, Ankara University, Mühendislik Fakültesi, Fizik Mühendisliği Bölümü, Turkey 1981 - 1985

## Foreign Languages

English, B2 Upper Intermediate

## Dissertations

Doctorate, BAZI ORGANİK BİLEŞİKLERDE SPİN-ETKİLEŞME MEKANİZMASININ MR GÖRÜNTÜLEME YÖNTEMİ İLE SPEKTRAL İNCELENMESİ, Ankara University, Fen Fakültesi, 1995

Postgraduate, Nükleer magnetik rezonans teorisi ve organik bileşiklerde spin-örgü durulma zamanı (T1) ölçümü, Ankara University, Fen Bilimleri Enstitüsü, Fizik (YI) (Tezli), 1988

## Academic Titles / Tasks

Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 2011 - Continues

Associate Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 2002 - 2011

Assistant Professor, Ankara University, Fen Fakültesi, Fizik Bölümü, 2000 - 2002

Lecturer, Ankara University, Fen Fakültesi, Fizik Bölümü, 1995 - 2000

Research Assistant, Ankara University, Fen Fakültesi, Fizik Bölümü, 1986 - 1995

## Academic and Administrative Experience

Ankara University, 2020 - Continues

Ankara University, 2016 - 2020

## Courses

PHY111 PHYSICS, Undergraduate, 2018 - 2019, 2017 - 2018

FİZ310 Atom ve Molekül Fiziği, Undergraduate, 2018 - 2019, 2017 - 2018  
FİZ440 Lazer Fiziği, Undergraduate, 2018 - 2019  
Fizik I, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016  
FİZ378 Dalgalar ve Optik, Undergraduate, 2018 - 2019  
Manyetik Rezonans Görüntüleme I, Postgraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014  
PHY112 Physics II, Undergraduate, 2017 - 2018  
Fizik II, Undergraduate, 2016 - 2017, 2015 - 2016  
Dalgalar ve Optik, Undergraduate, 2016 - 2017  
PHYSICS I, Undergraduate, 2016 - 2017, 2014 - 2015  
FİZ255 ELEK LAB, Undergraduate, 2016 - 2017, 2015 - 2016  
PHYSICS II, Undergraduate, 2016 - 2017, 2015 - 2016  
Atom ve Molekül Fiziği, Undergraduate, 2016 - 2017  
Lazer Fiziği, Undergraduate, 2016 - 2017, 2015 - 2016  
NMR Teorisi ve Tekniği I, Postgraduate, 2015 - 2016  
Atom ve Molekül Fiziği I, Postgraduate, 2015 - 2016  
FİZ152 Fizik II Lab., Undergraduate, 2015 - 2016  
PHY111 BİY İNG, Undergraduate, 2015 - 2016  
OPTİK LABORATUVARI, Undergraduate, 2015 - 2016  
FİZ305 AST, Undergraduate, 2015 - 2016  
Optik Lab., Undergraduate, 2014 - 2015, 2013 - 2014  
Manyetik Rezonans Görüntüleme II, Postgraduate, 2014 - 2015  
Kuantum Fiziği Lab., Undergraduate, 2014 - 2015, 2013 - 2014  
Fizik II (Elektrik), Undergraduate, 2014 - 2015, 2013 - 2014  
Fizik I (Mekanik), Undergraduate, 2014 - 2015, 2013 - 2014

## Advising Theses

YAMAN A., AĞIR KUARK ETKİN TEORİSİNİ KULLANARAK EGZOTİK MEZONLARIN İNCELENMESİ, Doctorate, D.YILDIRIM(Student), 2021  
YAMAN A., Application of some test methods and data editing technique for statistical parametric mapping at functional magnetic resonance imaging (fMRI), Doctorate, H.DAŞGIN(Student), 2019  
YAMAN A., Mrg ile beyin tümörleri tanısında kullanılan spin yankı görüntüleme teknikleri için uygun parametrelerin seçiminin araştırılması, Postgraduate, Y.ZEKRI(Student), 2017  
YAMAN A., MRG ile multiple skleroz (MS) tanısında kullanılan uygun puls serisi ve parametrelerin seçiminin araştırılması, Postgraduate, A.NASIB(Student), 2017  
YAMAN A., Doğrusal ivmelendirici cihazlarının NCRP?151 raporuna göre zırhllanması, Postgraduate, M.NURİ(Student), 2012  
YAMAN A., HITC Iodide laser boyasının spektroskopik özelliklerinin incelenmesi, Postgraduate, N.KALKAN(Student), 2008  
YAMAN A., Rodamin - 610 molekülünün UV ile ışınlanması durumunda fotofiziksel özelliklerinin incelenmesi, Postgraduate, F.YASEMİN(Student), 2008  
YAMAN A., HITC Iodide laser boyasının spektroskopik özelliklerinin incelenmesi, N.KALKAN(Student), 2008  
YAMAN A., İzdüşümlerden görüntü oluşturma yöntemleri ve bunların bazı görüntüleme sistemlerindeki uygulamaları, Postgraduate, C.KUTAY(Student), 2005

## Published journal articles indexed by SCI, SSCI, and AHCI

1. Relationship between stage of chronic liver disease and thrombocyte functions

KAYA M., YAMAN A., Bakanay S., Kurşun N., Karayalçın S.

Turkish Journal of Gastroenterology, vol.12, no.1, pp.13-18, 2001 (SCI-Expanded)

II. **Temperature effects on laser-induced triplet state lifetimes of rubrenperoxide in solution**

Bayrakçeken F., Jomehri B. B., YAMAN A., Demir O. J.

Asian Journal of Spectroscopy, vol.4, no.4, pp.177-180, 2000 (SCI-Expanded)

III. **The suppression of J-modulations in spin echo experiments by using a J-refocused press (JPRESS) pulse sequence**

YAMAN A., ZENGİN D.

Turkish Journal of Physics, vol.20, no.5, pp.527-534, 1996 (SCI-Expanded)

## Articles Published in Other Journals

I. **PREPROCESSING STEPS IN fMRI: SMOOTHING**

Daşkın H., YAMAN A., AKDİ Y.

Commun.Fac.Sci.Univ.Ank.Series A2-A3, vol.61, no.2, pp.161-171, 2019 (Peer-Reviewed Journal)

II. **An ultraviolet light-induced photophysical and photochemical study of laser-dye rodamin-610 and its photoproduction in solution**

YAMAN A.

Fizika, vol.16, no.2, pp.431-433, 2010 (Peer-Reviewed Journal)

III. **A solar cell model by using laser dye 1,1'3,3',3' hexamethylindotricarbo-cyanine iodide (HITC)**

YAMAN A.

International Journal of Current Trends in Science and Technology, vol.1, no.2, pp.41-44, 2010 (Peer-Reviewed Journal)

IV. **The Effects of J Modulation on Spin-Echo Acquisition and Calculation of Spin-Spin Relaxation Time (T<sub>2</sub>) from the J-suppressed Data Set**

YAMAN A.

Physiological Chemistry and Physics and Medical NMR, vol.32, no.1, pp.75-81, 2000 (Scopus)

V. **The Effects of J Modulation on Spin-Echo Acquisition and Calculation of Spin-Spin Relaxation Time (T<sub>2</sub>) from the J-Suppressed Data Set**

YAMAN A.

Physiological Chemistry and Physics and Medical NMR, vol.32, no.1, pp.75-81, 2000 (Peer-Reviewed Journal)

VI. **Beyin Tümörlerinin Manyetik Rezonans Spektroskopisi ile Değerlendirilmesi**

YAMAN A., ERDEN İ., KEYİK B., AKYAR S.

Tasınasal ve Girişimsel Radyoloji, vol.6, no.2000, pp.275-282, 2000 (Peer-Reviewed Journal)

## Refereed Congress / Symposium Publications in Proceedings

I. **AN APPROACH TO IMPROVE REMOTE PHOTOPLETHYSMOGRAPHY SIGNAL QUALITY**

SAMET R., YAMAN A.

6th International Conference on Control and Optimization with Industrial Applications (COIA), Baku, Azerbaijan, 11 - 13 July 2018, pp.333-336

II. **Statistical Parametric Mapping in Functional Magnetic Resonance Imaging (fMRI)**

DAŞGIN H., YAMAN A.

TURKISH PHYSICAL SOCIETY 33rd International Physics Congress, Bodrum/MUĞLA, 6 - 10 September 2017, pp.436

III. **Mesial Temporal Skleroz Olgularında MRG ve MR Spektroskopisi Bulgularının Karşılaştırılması**

KEYİK B., ERDEN İ., YAMAN A.

16. Ulusal Radyoloji Kongresi, İzmir, Turkey, 27 - 31 October 1998

IV. **Ultraviolet Raman Scattering of SiO<sub>2</sub>**

BAYRAKÇEKEN A. B., DEMİR O. J., BAYRAKÇEKEN F., YAMAN A., KAVLAKOĞLU E.

American Society for Photobiology, Utah, United States Of America, 11 - 15 July 1998, vol.1

V. **Quantification of Glutamate/Glutamine by Using Homonuclear J-Refocused PRESS**

LEE H. K., YAMAN A., NALCIOĞLU O.

Society of Magnetic Resonance, San-Francisco, Costa Rica, 6 - 12 August 1994, vol.3, pp.1202

VI. **Homonuclear J-Refocused Spectral Editing Technique for Quantification of Glutamate and Glutamine**

YAMAN A., LEE H. K., NALCIOĞLU O., AYGÜN E.

Society of Magnetic Resonance in Medicine, New York, United States Of America, 14 - 20 August 1993, vol.1, pp.112

## **Metrics**

Publication: 16