

# Prof. ARİF AHMET BAŞARAN

## Personal Information

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## Education Information

Doctorate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi, Turkey 1978 - 1984

Post Graduate, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi, Turkey 1976 - 1978

Under Graduate, Ankara Üniversitesi, Eczacılık Fakültesi, Turkey 1972 - 1976

## Foreign Languages

English, C1 Advanced

## Dissertations

Doctorate, Stachys lavandulifolia Wahl. var. lavandulifolia Üzerinde Farmakognozik Araştırmalar, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1984

Post Graduate, PRUNUS MAHALEB L. ÜZERİNDE FARMAKOGNOZİK ARAŞTIRMALAR, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, Farmakognozi (YI) (Tezli), 1978

## Research Areas

Health Sciences, Pharmacology and Therapeutics, Professional Sciences, Pharmacognosy

## Academic Titles / Tasks

Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1996 - Continues

Associate Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1988 - 1996

Assistant Professor, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1987 - 1988

Research Assistant, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 1976 - 1986

## Professional Experience

Head of Department, Hacettepe Üniversitesi, Eczacılık Fakültesi, Eczacılık Meslek Bilimleri Bölümü, 2012 - 2016

Dean, Hacettepe Üniversitesi, Eczacılık Fakültesi, 2003 - 2010

Vice Dean, Hacettepe Üniversitesi, Eczacılık Fakültesi, 1994 - 2003

Assistant Director of the Institute, Hacettepe Üniversitesi, Sağlık Bilimleri Enstitüsü, 1997 - 2000

## Advising Theses

BAŞARAN A. A. , SAĞLAM N., Doping kontrol analizlerinde eritropoetin tespitine yönelik spektroskopik metotların geliştirilmesi, Doctorate, Y.SOMAY(Student), 2016  
BAŞARAN A. A. , Prunus mahaleb L. tohumları ve yağı üzerinde farmakognozi araştırmalar, Post Graduate, O.ALSHEHRI(Student), 2014  
BAŞARAN A. A. , Punica granatum L. üzerinde farmakognozisk araştırmalar, Post Graduate, Ş.AKSU(Student), 2007

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

- I. **Effect of the Mobile Phase Compositions on the Confirmation Analysis of Some Prohibited Substances in Sport by LC-ESI-MS/MS**  
UÇAKTÜRK E., BAŞARAN A. A. , DEMİREL A. H.  
Chromatographia, 2020 (Journal Indexed in SCI Expanded)
- II. **Preventive role of Pycnogenol (R) against the hyperglycemia-induced oxidative stress and DNA damage in diabetic rats**  
Aydin Dilsiz S., Bacanlı M., Anlar H. G. , Cal T., Ari N., Bucurgat U. U. , Başaran A. A. , Basaran N.  
FOOD AND CHEMICAL TOXICOLOGY, vol.124, pp.54-63, 2019 (Journal Indexed in SCI)
- III. **Can ursolic acid be beneficial against diabetes in rats?**  
Bacanli M., Aydin S., Anlar H. G. , ÇAL T., Ari N., Bucurgat U. U. , BAŞARAN A. A. , Basaran N.  
TURKISH JOURNAL OF BIOCHEMISTRY-TURK BIYOKIMYA DERGISI, vol.43, pp.520-529, 2018 (Journal Indexed in SCI)
- IV. **Effects of cinnamic acid on complications of diabetes**  
ANLAR H. G. , BACANLI M., ÇAL T., AYDIN DİLSİZ S., ARI N., ÜNDEĞER BUCURGAT Ü., BAŞARAN A. A. , BAŞARAN A. N.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.48, pp.168-177, 2018 (Journal Indexed in SCI)
- V. **Antigenotoxic properties of Paliurus spina-christi Mill fruits and their active compounds**  
Zor M., Aydin S., GUNER N. D. , BASARAN N., BAŞARAN A. A.  
BMC COMPLEMENTARY AND ALTERNATIVE MEDICINE, vol.17, 2017 (Journal Indexed in SCI)
- VI. **Resveratrol Protects Sepsis-Induced Oxidative DNA Damage in Liver and Kidney of Rats**  
AYDIN DİLSİZ S., Sahin T. T. , BACANLI M., Taner G., BAŞARAN A. A. , AYDIN DİLSİZ S., Basaran N.  
BALKAN MEDICAL JOURNAL, vol.33, pp.594-601, 2016 (Journal Indexed in SCI)
- VII. **Surface-enhanced Raman probe for rapid nanoextraction and detection of erythropoietin in urine**  
SELBES Y. S. , ÇAĞLAYAN M. G. , ERYILMAZ M., BOYACI İ. H. , SAĞLAM N., BAŞARAN A. A. , Tamer U.  
ANALYTICAL AND BIOANALYTICAL CHEMISTRY, vol.408, pp.8447-8456, 2016 (Journal Indexed in SCI)
- VIII. **Hepatoprotective and antioxidant effects of lycopene in acute cholestasis**  
Tokac M., Aydin S., Taner G., Ozkardes A. B. , Yavuz Taslipinar M., DOGAN M., Dundar H. Z. , Kilic M., BAŞARAN A. A. , BAŞARAN A. N.  
TURKISH JOURNAL OF MEDICAL SCIENCES, vol.45, pp.857-864, 2015 (Journal Indexed in SCI)
- IX. **Modulating Effects of Pycnogenol (R) on Oxidative Stress and DNA Damage Induced by Sepsis in Rats**  
Taner G., Aydin S., BACANLI M., Sarigol Z., Sahin T., BAŞARAN A. N. , Basaran N.  
PHYTOTHERAPY RESEARCH, vol.28, pp.1692-1700, 2014 (Journal Indexed in SCI)
- X. **Assessment of the cytotoxic, genotoxic, and antigenotoxic potential of Pycnogenol (R) in in vitro mammalian cells**  
Taner G., Aydin S., Aytac Z., BAŞARAN A. A. , Basaran N.  
FOOD AND CHEMICAL TOXICOLOGY, vol.61, pp.203-208, 2013 (Journal Indexed in SCI)
- XI. **Protective effects of curcumin against oxidative stress parameters and DNA damage in the livers and kidneys of rats with biliary obstruction**  
Tokac M., Taner G., Aydin S., Ozkardes A. B. , Dundar H. Z. , Taslipinar M. Y. , Arikok A. T. , Kilic M., BAŞARAN A. A. , Basaran N.  
FOOD AND CHEMICAL TOXICOLOGY, vol.61, pp.28-35, 2013 (Journal Indexed in SCI)

- XII. **Protective effects of resveratrol on sepsis-induced DNA damage in the lymphocytes of rats**  
AYDIN S., BACANLI M., Taner G., Sahin T., BAŞARAN A. N. , Basaran N.  
HUMAN & EXPERIMENTAL TOXICOLOGY, vol.32, pp.1048-1057, 2013 (Journal Indexed in SCI)
- XIII. **Anticarcinogenic Effects of the Ethanolic Extract of Salix aegyptiaca in Colon Cancer Cells: Involvement of Akt/PKB and MAPK Pathways**  
Enayat S., Ceyhan M. S. , BAŞARAN A. A. , GÜRSEL M., BANERJEE S.  
NUTRITION AND CANCER-AN INTERNATIONAL JOURNAL, vol.65, pp.1045-1058, 2013 (Journal Indexed in SCI)
- XIV. **Antioxidant and antigenotoxic effects of lycopene in obstructive jaundice**  
Aydin S., Tokac M., Taner G., Arikok A. T. , Dundar H. Z. , Ozkardes A. B. , Taslipinar M. Y. , Kilic M., BAŞARAN A. A. , Basaran N.  
JOURNAL OF SURGICAL RESEARCH, vol.182, pp.285-295, 2013 (Journal Indexed in SCI)
- XV. **Antioxidant activities of major thyme ingredients and lack of (oxidative) DNA damage in V79 Chinese hamster lung fibroblast cells at low levels of carvacrol and thymol**  
Undeger U., BAŞARAN A. N. , Degen G. H. , Basaran N.  
FOOD AND CHEMICAL TOXICOLOGY, vol.47, pp.2037-2043, 2009 (Journal Indexed in SCI)
- XVI. **Nutraceuticals**  
Basaran A. A.  
TURKIYE KLINIKLERI TIP BILIMLERI DERGISI, vol.28, 2008 (Journal Indexed in SCI)
- XVII. **The effects of thyme volatiles on the induction of DNA damage by the heterocyclic amine IQ and mitomycin C**  
Aydin S., Basaran A., Basaran N.  
MUTATION RESEARCH-GENETIC TOXICOLOGY AND ENVIRONMENTAL MUTAGENESIS, vol.581, pp.43-53, 2005 (Journal Indexed in SCI)
- XVIII. **In vitro immunomodulatory activity of verbascoside from Nepeta ucrainica L.**  
Akbaş P., Çalış İ., Undeger U., Basaran N., Basaran A.  
PHYTOTHERAPY RESEARCH, vol.16, pp.593-595, 2002 (Journal Indexed in SCI)
- XIX. **Flavonoids modulate Comet assay responses to food mutagens in human lymphocytes and sperm**  
Anderson D., Dobrzynska M., Basaran N., Basaran A., Yu T.  
MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS, vol.402, pp.269-277, 1998 (Journal Indexed in SCI)
- XX. **Immunomodulatory activities of some Turkish medicinal plants**  
Basaran A. A. , Ceritoğlu İ., Undeger U., Basaran N.  
PHYTOTHERAPY RESEARCH, vol.11, pp.609-611, 1997 (Journal Indexed in SCI)
- XXI. **KARSOSIDE AND SCROPOLIOSIDE-D, 2 NEW IRIDOID GLYCOSIDES FROM SCROPHULARIA-ILWENSIS**  
çalış i., ZOR M., BASARAN A. A. , WRIGHT A., STICHER O.  
JOURNAL OF NATURAL PRODUCTS, vol.56, pp.606-609, 1993 (Journal Indexed in SCI)
- XXII. **ILWENSISAPONIN-A, ILWENSISAPONIN-B, ILWENSISAPONIN-C, AND ILWENSISAPONIN-D - TRITERPENE SAPONINS FROM SCROPHULARIA-ILWENSIS**  
çalış i., ZOR M., BASARAN A. A. , WRIGHT A., STICHER O.  
HELVETICA CHIMICA ACTA, vol.76, pp.1352-1360, 1993 (Journal Indexed in SCI)
- XXIII. **Two phenethyl alcohol glycosides from Scutellaria orientalis subsp Pinnatifida**  
ÇALIŞ İ., SARAÇOĞLU İ., BAŞARAN A. A. , STICHER O.  
Phytochemistry, vol.32, pp.1621-1623, 1993 (Journal Indexed in SCI)
- XXIV. **IRIDOID AND PHENYLPROPANOID GLYCOSIDES FROM STACHYS-MACRANTHA**  
çalış i., BASARAN A. A. , SARACOĞLU İ., STICHER O.  
PHYTOCHEMISTRY, vol.31, pp.167-169, 1992 (Journal Indexed in SCI)
- XXV. **PHLINSIDE-D AND PHLINSIDE-E PHENYLPROPANOID GLYCOSIDES, AND IRIDOIDS FROM PHLomis-LINEARIS**  
çalış i., BASARAN A. A. , SARACOĞLU İ., STICHER O., RUEDI P.  
PHYTOCHEMISTRY, vol.30, pp.3073-3075, 1991 (Journal Indexed in SCI)
- XXVI. **Iridoids and Phenylpropanoid Glycosides from Phlomis linearis**

- ÇALIŞ İ., BAŞARAN A. A. , SARAÇOĞLU İ., STICHER O., RUEDI P.  
Planta Medica, vol.56, pp.574, 1990 (Journal Indexed in SCI Expanded)
- XXVII. **PHLINOSIDE-A, PHLINOSIDE-B AND PHLINOSIDE-C, 3 PHENYLPROPANOID GLYCOSIDES FROM PHLOMIS-LINEARIS**  
çalış i, BASARAN A. A. , SARACOGLU I, STICHER O., RUEDI P.  
PHYTOCHEMISTRY, vol.29, pp.1253-1257, 1990 (Journal Indexed in SCI)
- XXVIII. **LAVANDULIFOLIOSIDE - A NEW PHENYLPROPANOID GLYCOSIDE FROM STACHYS-LAVANDULIFOLIA**  
BASARAN A. A. , çalıř ı, ANKLIN C., NISHIBE S., STICHER O.  
HELVETICA CHIMICA ACTA, vol.71, pp.1483-1490, 1988 (Journal Indexed in SCI)

## Articles Published in Other Journals

- I. **Lycopene: Is It Beneficial to Human Health as an Antioxidant?**  
BACANLI M., BAŞARAN A. A. , BAŞARAN A. N.  
Turkish Journal of Pharmaceutical Sciences, vol.14, pp.311-318, 2017 (Other Refereed National Journals)
- II. **Assessment of Cytotoxicity Profiles of Different Phytochemicals: Comparison of Neutral Red and MTT Assays in Different Cells in Different Time Periods**  
BACANLI M., ANLAR H. G. , BAŞARAN A. A. , BAŞARAN A. N.  
Turkish Journal of Pharmaceutical Sciences, vol.14, pp.95-107, 2017 (Other Refereed National Journals)
- III. **Fitoöstrojenler ve Sağlıklı Yaşamdaki Önemleri**  
BÜYÜKTUNCER DEMİREL Z., BAŞARAN A. A.  
HACETTEPE ÜNİVERSİTESİ ECZACILIK FAKÜLTESİ DERGİSİ, 2005 (Other Refereed National Journals)
- IV. **Phlomis linearis Boiss Bal Üzerinde Fitokimyasal Arařtırmalar**  
BAŞARAN A. A. , SARAÇOĞLU İ., RUEDI P., OTTO S., ÇALIŞ İ.  
VIII. Bitkisel İlaç Hammaddeleri Toplantısı, İstanbul (Silivri), 19-21 Mayıs 1989. Bildiri Kitabı, pp.125-130, 1993 (Other Refereed National Journals)
- V. **Phlomis linearis den Elde Edilen İridoit Heterozitleri**  
BAŞARAN A. A. , SARAÇOĞLU İ., ÇALIŞ İ.  
H.Ü. Ecz. Fak. Der., vol.11, pp.81-88, 1991 (Other Refereed National Journals)
- VI. **159 Epideoxyloganic Acid An Iridoid Glucoside Isolated from Nepeta caesarea Boiss Lamiaceae**  
SARAÇOĞLU İ., BAŞARAN A. A. , ÇALIŞ İ., AD W., OTTO S.  
Hacettepe University, Journal of Faculty of Pharmacy, vol.10, pp.57-64, 1990 (Other Refereed National Journals)
- VII. **Türkiye Uçucu Yağ Kaynaklarının Terpen Kaynağı Olarak Değerlendirilmesi**  
SEZİK E., YEŞİLADA E., BAŞARAN A. A. , SARAÇOĞLU İ., ERSÖZ T., ÖZİPEK M.  
VI. Bitkisel İlaç Hammaddeleri Toplantısı, Ankara, 16-19 Mayıs 1986. Bildiri Kitabı, pp.257-264, 1987 (Other Refereed National Journals)

## Books & Book Chapters

- I. **Effects of Phytochemicals Against Diabetes**  
BACANLI M., AYDIN DİLSİZ S., BAŞARAN A. A. , BAŞARAN A. N.  
in: Advances in Food and Nutrition Research Volume:89, Fidel Toldra, Editor, Elsevier, pp.209-238, 2019

## Refereed Congress / Symposium Publications in Proceedings

- I. **Isolation and identification of four alkaloids from the seeds of Peganum harmala L. collected in Turkey**  
TAŞTEKİN N. H. , SARAÇOĞLU İ., BAŞARAN A. A.

6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI), Famagusta, Cyprus (Kktc), 13 - 17 November 2019

- II. **Cytotoxic and Antimicrobial Activities of Prunus mahaleb L. Kernels, 6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI)**  
BAYRAKÇEKEN Z., DOĞAN Z., EKİZOĞLU M., SARAÇOĞLU İ., BAŞARAN A. A.  
6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI), Famagusta, Cyprus (Kktc), 13 - 17 November 2019
- III. **Antityrosinase activity of cinnamic acid derivatives from the kernels of Prunus mahaleb: Structure-activity relation.**  
BAYRAKÇEKEN Z., SARAÇOĞLU İ., BAŞARAN A. A.  
6th. World Congress of Medicinal and Aromatic Plants (WOCMAP VI), Famagusta, Cyprus (Kktc), 13 - 17 November 2019
- IV. **Antioxidant, Antidiabetic Potential and a New flavonoid from Opuntia ficus – indica (L.) Mill.,**  
KELEŞ H. B. , EKİN H. N. , DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.  
International Hippocrates Congress on Medical and Health Sciences, Ankara, Turkey, 1 - 03 March 2019, pp.59-65
- V. **A survey of Opuntia ficus–indica (L.) Mill. Fruits**  
KELEŞ H. B. , DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.  
12th International Symposium on Pharmaceutical Sciences (ISOPS-12), 26 - 29 June 2018
- VI. **Phenolic compounds from kernels of Prunus mahaleb L.**  
BAYRAKÇEKEN Z., SARAÇOĞLU İ., BAŞARAN A. A.  
22nd International Congress PHYTOPHARM 2018, Switzerland, 25 - 27 June 2018
- VII. **Interactions of pycnogenol with cisplatin on V79 cell viability**  
AYDIN S., BECİT M., BAŞARAN A. A. , BAŞARAN A. N.  
10th Congress of Toxicology in Developing Countries (10 th CTDC) and the 12th Serbian Congress of Toxicology, 18 - 21 April 2018
- VIII. **Interactions of Pycnogenol with cisplatin on V79 Cell Viability**  
AYDIN S., BECİT M., BAŞARAN A. A. , BAŞARAN A. N.  
10th Congress of Toxicology in Developing Countries (CTDC10), Belgrade, Serbia And Montenegro, 18 - 21 April 2018
- IX. **Antidiabetic Activity of Prunus mahaleb L. kernels in vitro**  
BAYRAKÇEKEN Z., EKİN H. N. , ASLAN M., SARAÇOĞLU İ., BAŞARAN A. A.  
2nd International Gazi Pharma Symposium Series (GPSS 2017), Ankara, Turkey, 11 - 13 October 2017, pp.336
- X. **Antigenotoxic effects of Pycnogenol in diabetic rats**  
AYDIN DİLSİZ S., BACANLI M., GOKTAS H. G. , ÜNDEĞER BUCURGAT Ü., ARI N., BAŞARAN A. A. , Basaran N.  
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- XI. **Effects of curcumin on cisplatin cytotoxicity in HepG2 cells**  
Becit M., AYDIN DİLSİZ S., BAŞARAN A. A. , Basaran N.  
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- XII. **Assessment of cytotoxicity of pycnogenol in HepG2 cells treated with cisplatin**  
AYDIN DİLSİZ S., Becit M., BAŞARAN A. A. , Basaran N.  
53rd Congress of the European-Societies-of-Toxicology (EUROTOX), Bratislava, Slovakia, 10 - 13 September 2017, vol.280
- XIII. **Two phenolic compounds from Prunus mahaleb L. Kernels**  
BAYRAKÇEKEN Z., ERCİL D., BAŞARAN A. A. , SARAÇOĞLU İ.  
Trends in Natural Product Research - PSE Young Scientists's Meeting Lille 2017, Natural Products in Health, Agro-food and Cosmetics, Lille, France, 28 June - 01 July 2017, pp.120
- XIV. **Antioxidant potential and a new flavonoid from Opuntia ficus-indica (L.) Mill.**  
KELEŞ H. B. , DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.  
Trends in Natural Product Research - PSE Young Scientists's Meeting Lille 2017, Natural Products in Health, Agro-

food and Cosmetics, Lille, France, 28 June - 01 July 2017, pp.150

**XV. Flavonoids isolated from *Opuntia ficus indica* L Mill**

KELEŞ H. B. , DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.

6th International Congress of Aromatic and Medicinal Plants (CIPAM 2016), Coimbra, Portugal, 29 May - 01 June 2016

**XVI. Flavonoids isolated from *Opuntia ficus indica* L Mill**

HANDE BÜŞRA K., DOĞAN Z., SARAÇOĞLU İ., BAŞARAN A. A.

International Gazi Pharma Symposium (GPSS), Antalya, Turkey, 12 - 15 November 2015

## Supported Projects

DOĞAN Z., GÜVEN Z., BAŞARAN A. A. , Project Supported by Higher Education Institutions, HALK İLACI VE GIDA OLARAK KULLANILAN Prunus mahaleb L. TOHUM VE MEYVE KABUKLARINDA in vitro ANTİDİYABETİK ÇALIŞMALAR, 2019 - 2020

BAŞARAN A. A. , BAYRAKÇEKEN Z., Project Supported by Higher Education Institutions, HALK İLACI VE GIDA OLARAK KULLANILAN Prunus mahaleb L. TOHUMLARININ MEYVE KABUKLARINDA FARMAKOGNOZİK ARAŞTIRMALAR, 2017 - 2018

BAŞARAN A. A. , Project Supported by Higher Education Institutions, Toksikoloji Derneğinin 56. Yıllık Toplantısı ve Toksikoloji Fuarına Katılım, 2017 - 2017

BAŞARAN A. A. , Project Supported by Higher Education Institutions, 14. Uluslararası Toksikoloji Kongresine Katılım, 2016 - 2017

BAŞARAN A. A. , Project Supported by Higher Education Institutions, Toksikoloji Derneğinin 55. Yıllık Toplantısı ve Toksikoloji Fuarına Katılım, 2016 - 2016

AYDIN DİLSİZ S., BAŞARAN A. A. , BAŞARAN A. N. , ZOR M., GÜNER N. D. , Project Supported by Higher Education Institutions, Paliurus spina-christi Mill.'in kateşinlerce zengin ekstresinin V79 hücrelerinde oksidatif DNA hasarı üzerine etkisi, 2015 - 2016

BAŞARAN A. A. , Project Supported by Higher Education Institutions, AOAC 129 Yıllık Toplantısı, 2015 - 2016

BAŞARAN A. A. , Project Supported by Higher Education Institutions, 13 İran Uluslararası Toksikoloji Kongresi'ne Katılım, 2015 - 2015

BAŞARAN A. A. , Project Supported by Higher Education Institutions, Toksikoloji Derneğinin 54. Yıllık Toplantısı ve Toksikoloji Fuarı'na Katılım, 2015 - 2015

## Citations

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