

## Assoc. Prof. Sema ALIKAMANOĞLU

### Personal Information

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### International Researcher IDs

Publons / Web Of Science ResearcherID: AAD-1955-2020

Yoksis Researcher ID: 176641

### Education

Doctorate, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji, Turkey 1993 - 2000

Postgraduate, Istanbul University, Institute of Graduate Studies In Sciences, Biyoloji, Turkey 1990 - 1993

Undergraduate, Istanbul University, Faculty Of Science, Department of Biology, Turkey 1985 - 1990

### Certificates, Courses and Trainings

Education Management and Planning, Oksidatif stres, DNA hasarı, DNA onarımı ve Hastalıklar, İstanbul Kültür Üniversitesi MOBİGEN, 2013

Education Management and Planning, Mikroskopi Teknikleri ve Uygulamaları, İ.Ü.Fen Fak. Biyoloji Böl. ve Leica Gantenbein, 2008

### Dissertations

Doctorate, İn Vitro Tekniklerle Haploid Şeker Pancarı (Beta vulgaris L.) Bitkisinin Eldesi ve Somatik Mutasyonların Oluşturulmasında Gama Radyasyonunun Kullanılması, Istanbul University, Institute of Graduate Studies In Sciences, Radyobiyoloji, 1999

Postgraduate, Soya (Glycine max L. Merrill) Doku Kültürlerine Gama Radyasyonunun Etkisi, Istanbul University, Institute of Graduate Studies In Sciences, Radyobiyoloji Ve Sağlık Fiziği, 1993

### Research Areas

Food Engineering, Food Technology, Food Biotechnology, Life Sciences, Plant Biology, Plant Tissue Culture, Plant Breeding and Genetics, Natural Sciences, Engineering and Technology

### Academic Positions

Associate Professor, Istanbul University, Faculty of Science, Department of Biology, 2018 - Continues

Assistant Professor, Istanbul University, Faculty of Science, Department of Biology, 2002 - 2018

Research Assistant, Istanbul University, Faculty of Science, Department of Biology, 1993 - 2002

## Courses

### Doctorate

Elementlerin Organizmalardaki Etkileri, Doctorate, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Radyasyonun Organizma Düzeyindeki Etkileri, Doctorate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Elementlerin Organizmalardaki Etkileri, Doctorate, 2018 - 2019, 2017 - 2018

### Postgraduate

İyonizan Olmayan Radyasyonun Biyolojik Etkileri, Postgraduate, 2018 - 2019, 2017 - 2018  
Doku Kültürü ve Uygulama Alanları, Postgraduate, 2007 - 2008, 2006 - 2007, 2005 - 2006

### Undergraduate

Radyobiyolojide Kullanılan Yöntemler, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Radyasyon Kimyası, Undergraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021  
Hücre ve Moleküler Araştırmaları I, Undergraduate, 2023 - 2024, 2021 - 2022, 2020 - 2021  
Hücre ve Moleküler Biyoloji Araştırmaları II, Undergraduate, 2021 - 2022, 2020 - 2021  
Bitki Doku Kültürü, Undergraduate, 2022 - 2023  
Radyobiyoloji Araştırmaları I, Undergraduate, 2022 - 2023  
Radyobiyolojide Kullanılan Yöntemler, Undergraduate, 2018 - 2019, 2017 - 2018, 2015 - 2016  
Radyasyon Kimyası, Undergraduate, 2018 - 2019, 2017 - 2018  
Doku Kültürü, Undergraduate, 2017 - 2018, 2016 - 2017, 2015 - 2016  
Sağlık Fiziyi, Undergraduate, 2017 - 2018  
Biyogüvenlik, Undergraduate, 2015 - 2016  
Radyasyon Kimyası, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003  
Doku Kültürü, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2005 - 2006  
Biyogüvenlik, Undergraduate, 2012 - 2013  
Radyobiyolojide Kullanılan Yöntemler, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011  
Genel Biyoloji I, Undergraduate, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008  
Radyobiyolojide Kullanılan Yöntemler II, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003  
Biyokimyasal ve Fizyolojik Yöntemler, Undergraduate, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005, 2003 - 2004, 2002 - 2003  
Genel Biyoloji II, Undergraduate, 2006 - 2007

## Supervised Theses

ALİKAMANOĞLU S., Gama Radyasyonu ile Şeker Pancarı (Beta vulgaris L.)'nda Kuraklığa Toleranslı Mutantların Eldesi ve Moleküler Analizleri, Doctorate, A.Şen(Student), 2011  
ALİKAMANOĞLU S., Patates (Solanum tuberosum L.) Doku Kültüründe Somatik Mutasyonların Gama Radyasyonu ile Teşviki, Doctorate, O.YAYCILI(Student), 2010  
ALİKAMANOĞLU S., SOYA (Glycine max L.Merrill) DOKU KÜLTÜRÜNDE ANTİOKSİDAN SAVUNMA SİSTEMLERİNE OKSİDATİF STRESİN ETKİLERİ, Postgraduate, A.Ayan(Student), 2010  
ALİKAMANOĞLU S., Buğday (Triticum aestivum L.) Doku Kültüründe Tuz Stresinin Etkileri, Postgraduate, A.ŞEN(Student), 2005  
ALİKAMANOĞLU S., Paulownia Doku Kültürüne Manyetik Alanın Etkisi, Postgraduate, O.YYAYCILI(Student), 2003

## Jury Memberships

Post Graduate, Tez Savunma (Yüksek Lisans), İ.Ü. Fen Bilimleri Enstitüsü, July, 2013  
Doctoral Examination, Doktora Yeterlilik Snavı, İ.Ü. Fen Bilimleri Enstitüsü, January, 2013  
Doctoral Examination, Doktora Yeterlilik Snavı, İ.Ü. Fen Bilimleri Enstitüsü, July, 2012  
Post Graduate, Yüksek Lisans Tez Savunma Jürisi, İ.Ü. Fen Bilimleri Enstitüsü, September, 2011  
Post Graduate, Tez Savunma, İ.Ü. Fen Bilimleri Enstitüsü, September, 2006  
Doctorate, Doktora Tez Savunma Jürisi, İ.Ü. Fen Bilimleri Enstitüsü, August, 2005  
Post Graduate, Tez Savunma (Yüksek Lisans), İ.Ü. Fen Bilimleri Enstitüsü, June, 2005

## **Journal articles indexed in SCI, SSCI, and AHCI**

- I. **Drought Tolerance in Irradiated Wheat Mutants Studied by Genetic and Biochemical Markers**  
Sen A., Ozturk I., Yaycili O., Alikamanoglu S.  
JOURNAL OF PLANT GROWTH REGULATION, vol.36, no.3, pp.669-679, 2017 (SCI-Expanded)
- II. **Effects of static magnetic field pretreatment with and without PEG 6000 or NaCl exposure on wheat biochemical parameters**  
Sen A., Alikamanoglu S.  
RUSSIAN JOURNAL OF PLANT PHYSIOLOGY, vol.61, no.5, pp.646-655, 2014 (SCI-Expanded)
- III. **Characterization of drought-tolerant sugar beet mutants induced with gamma radiation using biochemical analysis and isozyme variations**  
Sen A., Alikamanoglu S.  
JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol.94, no.2, pp.367-372, 2014 (SCI-Expanded)
- IV. **Antioxidant enzyme activities, malondialdehyde, and total phenolic content of PEG-induced hyperhydric leaves in sugar beet tissue culture**  
Sen A., Alikamanoglu S.  
IN VITRO CELLULAR & DEVELOPMENTAL BIOLOGY-PLANT, vol.49, no.4, pp.396-404, 2013 (SCI-Expanded)
- V. **Analysis of drought-tolerant sugar beet (*Beta vulgaris* L.) mutants induced with gamma radiation using SDS-PAGE and ISSR markers**  
Sen A., Alikamanoglu S.  
MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS, vol.738, pp.38-44, 2012 (SCI-Expanded)
- VI. **Induction of salt-tolerant potato (*Solanum tuberosum* L.) mutants with gamma irradiation and characterization of genetic variations via RAPD-PCR analysis**  
Yaycili O., Alikamanoglu S.  
TURKISH JOURNAL OF BIOLOGY, vol.36, no.4, pp.405-412, 2012 (SCI-Expanded)
- VII. **Stimulation of growth and some biochemical parameters by magnetic field in wheat (*Triticum aestivum* L.) tissue cultures**  
Alikamanoglu S., Sen A.  
AFRICAN JOURNAL OF BIOTECHNOLOGY, vol.10, no.53, pp.10957-10963, 2011 (SCI-Expanded)
- VIII. **Effect of gamma radiation on growth factors, biochemical parameters, and accumulation of trace elements in soybean plants (*Glycine max* L. Merrill)**  
Alikamanoglu S., Yaycili O., Sen A.  
Biological Trace Element Research, vol.141, pp.283-293, 2011 (SCI-Expanded)
- IX. **EFFECT OF SALT STRESS ON GROWTH PARAMETERS AND ANTIOXIDANT ENZYMES OF DIFFERENT WHEAT (*Triticum aestivum* L.) VARIETIES ON IN VITRO TISSUE CULTURE**  
Sen A., Alikamanoglu S.  
FRESENIUS ENVIRONMENTAL BULLETIN, vol.20, pp.489-495, 2011 (SCI-Expanded)
- X. **Effect of magnetic field on peroxidase activities of soybean tissue culture**  
Atak Q., Celik O., Olgun A., Alikamanoglu S., Rzakoulieva A.  
BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.21, no.2, pp.166-171, 2007 (SCI-Expanded)
- XI. **Effect of magnetic field and gamma radiation on *Paulownia tomentosa* tissue culture**

Alikamanoglu S., Yalcili O., Atak C., Rzakoulieva A.

BIOTECHNOLOGY & BIOTECHNOLOGICAL EQUIPMENT, vol.21, no.1, pp.49-53, 2007 (SCI-Expanded)

**XII. The effect of magnetic field on Paulownia tissue cultures**

Yalcili O., Alikamanoglu S.

PLANT CELL TISSUE AND ORGAN CULTURE, vol.83, no.1, pp.109-114, 2005 (SCI-Expanded)

**XIII. Induced of plastid mutations in soybean plant (Glycine max L. Merrill) with gamma radiation and determination with RAPD**

Atak Ç., Alikamanoglu S., Açık L., Canbolat Y.

MUTATION RESEARCH-FUNDAMENTAL AND MOLECULAR MECHANISMS OF MUTAGENESIS, vol.556, pp.35-44, 2004 (SCI-Expanded)

## Articles Published in Other Journals

**I. Interactive effect of static magnetic field and abiotic stressors on growth and biochemical parameters of germinating wheat cultivars**

ŞEN A., ALİKAMANOĞLU S.

IUFS JOURNAL OF BIOLOGY, vol.75, no.1, pp.1-14, 2016 (Peer-Reviewed Journal)

**II. Three wheat cultivars' responses to NaCl treatments: changes in lipid peroxidation, cell viability, hydrogen peroxide content and antioxidant defence parameters**

ŞEN A., ALİKAMANOĞLU S.

IUFS JOURNAL OF BIOLOGY, vol.74, no.1, pp.13-24, 2015 (Peer-Reviewed Journal)

**III. Stimulation of Regeneration by Magnetic Field in Soybean (Glycine max. L.Merrill) Tissue Cultures**

Atak Ç., Çelik Ö., ALİKAMANOĞLU S., Rzakoulieva A.

JOURNAL OF CELL AND MOLECULAR BIOLOGY, vol.2, pp.113-0, 2003 (Peer-Reviewed Journal)

**IV. Efficiency of the Gamma Radiation in the Induction of in vitro Somatic Mutations**

ALİKAMANOĞLU S.

JOURNAL OF CELL AND MOLECULAR BIOLOGY, vol.1, pp.19-24, 2002 (Peer-Reviewed Journal)

**V. Effect of magnetic field on Paulownia seeds**

Atak Ç., ALİKAMANOĞLU S., Danilov V., Rzakoulieva A., Yurttas B., Topçul F.

Communication of Joint Nuclear Research, vol.19, pp.1-14, 2000 (Peer-Reviewed Journal)

**VI. Effect of magnetic field on L-Strain cells**

Ulakoğlu G., Yurttas B., Atak Ç., Danilov V., Rzakoulieva A., ALİKAMANOĞLU S.

Communication of Joint Nuclear Research, vol.200, pp.1-6, 2000 (Peer-Reviewed Journal)

**VII. Induced Mutation And Radiation Sensitivity in vitro Culture of Soybean (Glycine Max.L.Merrill)**

Atak Ç., ALİKAMANOĞLU S., Yalçın S.

Turkish Journal of Nuclear Science, vol.26, pp.69-88, 1999 (Peer-Reviewed Journal)

**VIII. Radiosensitivity in Callus Tissues of Soybean (Glycine Max (L.) Merrill)".**

ALİKAMANOĞLU S., Atak Ç.

Turkish Journal of Nuclear Science, vol.21, pp.95-109, 1994 (Peer-Reviewed Journal)

## Papers Presented at Peer-Reviewed Scientific Conferences

**I. Evaluation of gamma ray induced drought tolerant wheat mutants using the phenological parameters and molecular markers**

ŞEN A., YAYCILI O., ALİKAMANOĞLU S., ÖZTÜRK İ.

COST FA1306 - Work Group 2 - Phenotyping at the cell level Diving into integrative cell phenotyping through "omics", Paris, France, 1 - 02 February 2016, pp.47

**II. Investigation of antioxidant defense parameters and retrotransposon based variations in gamma ray induced drought tolerant wheat mutants**

ŞEN A., YAYCILI O., ALİKAMANOĞLU S.

COST- Action FA-1306, WG2 Meeting in Carcavelos, Lizbon, Portugal, 26 - 27 February 2015, pp.25

- III. **Induced of Salt Tolerance Wheat (*Triticum aestivum* L.) Mutants with Gamma Radiation and Determining Molecular Analysis by ISSR**  
Yaycili O., Sen A., Alikamanoglu S.  
4th International Conference on Agriculture and Horticulture (AGRI), Amsterdam, Netherlands, 15 - 17 February 2015, vol.29, pp.196, (Full Text)
- IV. **Molecular analysis of salt tolerant potato (*Solanum tuberosum* L.) mutants induced by gamma radiation**  
Yaycili O., Alikamanoglu S.  
Eurobiotech Agriculture Symposium, Kayseri, Turkey, 12 - 14 April 2012, vol.161, pp.32, (Summary Text)
- V. **Biochemical analysis of drought tolerant sugarbeet mutants induced with gamma radiation**  
Sen A., Alikamanoglu S.  
Eurobiotech Agriculture Symposium, Kayseri, Turkey, 12 - 14 April 2012, vol.161, pp.14, (Summary Text)
- VI. **Relationship between hyperxydricity and oxidative stress in sugarbeet tissue culture**  
Sen A., Alikamanoglu S.  
Eurobiotech Agriculture Symposium, Kayseri, Turkey, 12 - 14 April 2012, vol.161, pp.45, (Summary Text)
- VII. **Gama radyasyonu ile teşvik edile kuraklığa toleranslı patates (*Solanum tuberosum* L.) mutantlarının moleküler karakterizasyon**  
ALİKAMANOĞLU S., YAYCILI O., ŞEN A.  
21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 1 - 04 September 2012, pp.1423, (Full Text)
- VIII. **Gama radyasyonu ile şevik edilen kuraklığa toleranslı patates (*Solanum tuberosum* L.) mutantlarının moleküler karakterizasyon**  
ALİKAMANOĞLU S., YAYCILI O., ŞEN A.  
21. Ulusal Biyoloji Kongresi, İzmir, Turkey, 1 - 04 September 2012, pp.1423, (Full Text)
- IX. **Yapay manyetik alanın çimlenmekte olan buğday (*Triticum aestivum* L.) tohumları üzerine etkileri,**  
ALİKAMANOĞLU S., ŞEN A.  
24. Ulusal Biyokimya Kongresi, Konya, Turkey, 1 - 04 July 2012, pp.126, (Full Text)
- X. **RAPD-PCR Analysis of Drought Tolerant Potato (*Solanum tuberosum* L.) Mutants Induced with Gamma Radiation**  
ALİKAMANOĞLU S., YAYCILI O., ŞEN A.  
Plant Biology Congress Freiburg 2012, Germany, 1 - 04 July 2012, pp.292
- XI. **Impact of Static Magnetic Field on Growth and Biochemical Parameters under PEG 6000 and NaCl Exposures on Wheat (*Triticum aestivum* L.) Tissue Culture**  
ŞEN A., ALİKAMANOĞLU S.  
Plant Biology Congress Freiburg 2012, Germany, 1 - 04 July 2012, pp.424, (Full Text)
- XII. **Relationship between hyperxydricity and oxidative stress in sugar beet (*Beta vulgaris* L.) tissue culture**  
ŞEN A., ALİKAMANOĞLU S.  
Eurobiotech 2012 Agriculture Symposium, Turkey, 1 - 04 April 2012, vol.161, pp.14
- XIII. **Biochemical analysis of drought tolerant sugar beet (*Beta vulgaris* L.) mutants induced with gamma radiation**  
ŞEN A., ALİKAMANOĞLU S.  
Eurobiotech 2012 Agriculture Symposium, Turkey, 1 - 04 April 2012, pp.14
- XIV. **In vitro mutagenesis for genetic improvement of drought tolerance in sugar beet (*Beta vulgaris* L.) and characterization by using ISSR marker**  
ŞEN A., ALİKAMANOĞLU S.  
Medicinal and Aromatic Plants in Generating of New Values in 21st Century, Bosnia And Herzegovina, 1 - 04 November 2011, vol., pp.109, (Summary Text)
- XV. **Biochemical analysis of potato (*Solanum tuberosum* L.) mutants induced by gamma radiation**  
ALİKAMANOĞLU S., YAYCILI O., ŞEN A.

Medicinal and Aromatic Plants in Generating of New Values in 21st Century, Bosnia And Herzegovina, 1 - 04 November 2011, pp.116

- XVI. **Manyetik Alanın Buğday (*Triticum aestivum* L.) Doku Kültürü Üzerine Etkileri**  
ALİKAMANOĞLU S., ŞEN A.  
Ekoloji 2011 Sempozyumu, Düzce, Turkey, 1 - 04 May 2011, pp.106, (Full Text)
- XVII. **Gama radyasyonu ile teşvik edilmiş tuza toleranslı patates (*solanum tuberosum* l.) mutantlarında biyokimyasal değişmelerin incelenmesi**  
ALİKAMANOĞLU S., YAYCILI O., ŞEN A., Ayan A.  
X. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Muğla, Turkey, 1 - 04 October 2009, pp.302
- XVIII. **Gama radyasyonu ile teşvik edilmiş tuza toleranslı patates (*Solanum tuberosum* L.) mutantlarında biyokimyasal değişmelerin incelenmesi.**  
ALİKAMANOĞLU S., YAYCILI O., ŞEN A., AYAN A.  
X. Ulusa Nükleer Bilimler ve Teknolojileri Kongresi, Muğla, Turkey, 1 - 04 October 2009, pp.312
- XIX. **Buğday (*Triticum aestivum* L.) Doku Kültürlerinde Tuz Stresinin Çeşitli Parametreler Üzerine Etkisi**  
ŞEN A., ALİKAMANOĞLU S.  
XV. Biyoteknoloji Kongresi, Antalya, Turkey, 1 - 04 October 2007, pp.160, (Full Text)
- XX. **Soya (*Glycine max* L. Merill) Bitkisinde Gama Radyasyonunun Süperoksid Dismutaz Enzimi ve Malondialdehit Miktarı Üzerine Etkis**  
ALİKAMANOĞLU S., YAYCILI O., ŞEN A.  
15. Ulusal Biyoteknoloji Kongresi, Antalya, Turkey, 1 - 04 October 2007, pp.12, (Full Text)
- XXI. **Buğday (*Triticum aestivum* L.) Doku Kültüründe Tuz Stresinin Çeşitli Parametreler Üzerine Etkisi**  
ŞEN A., ALİKAMANOĞLU S.  
15. Ulusal Biyoteknoloji Kongresi, Antalya, Turkey, 1 - 04 October 2007, pp.160, (Summary Text)
- XXII. **Soya (*Glycine max* L.Merrill) Bitkisinde Gama Radyasyonunun Süperoksid Dismutaz Enzimi ve Malondialdehit Miktarı Üzerine Etkisi**  
ALİKAMANOĞLU S., YAYCILI O., ŞEN A.  
XV. Biyoteknoloji Kongresi, Antalya, Turkey, 1 - 04 October 2007, pp.12, (Full Text)
- XXIII. **Soya (*Glycine max* L.Merrill) Bitkisinde Gama Radyasyonunun Demir, Çinko ve Bakır Miktarlarına Etkisi**  
ALİKAMANOĞLU S., YAYCILI O.  
IX. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, İzmir, Turkey, 1 - 04 September 2005, pp.172
- XXIV. **Manyetik Alanın Soya Doku Kültürlerinde Peroksidaz Aktivitesi ve Total RNA Miktarı Üzerine Etkisi**  
Atak Ç., Olgun A., Çelik Ö., ALİKAMANOĞLU S., Rzakoulieva A.  
V. Ulusal Ekoloji ve Çevre Kongresi, Bolu, Turkey, 1 - 04 October 2004, pp.140
- XXV. **Manyetik Alanın Soya (*Glycine max* L.Merrill) Doku Kültürleri Üzerine Etkisi.**  
Atak Ç., Çelik Ö., ALİKAMANOĞLU S., Rzakoulieva A.  
XIII. Biyoteknoloji Kongresi, Çanakkale, Turkey, 1 - 04 August 2003, pp.97, (Full Text)
- XXVI. **Paulownia tomentosa Doku Kültüründe Manyetik Alanın ve Gama Radyasyonunun Etkileri**  
ALİKAMANOĞLU S., YAYCILI O., Atak Ç., Rzakoulieva A.  
XIII. Biyoteknoloji Kongresi, Çanakkale, Turkey, 1 - 04 August 2003, pp.86, (Full Text)
- XXVII. **Atrazine toleranslı ve mukavim soya mutantlarının moleküler analizleri.**  
ALİKAMANOĞLU S., Açık L., Atak Ç.  
XII. Biyoteknoloji Kongresi, Balıkesir, Turkey, 1 - 04 September 2001, pp.21
- XXVIII. **Soya fasulyesinde ((*Glycine max* L.Merrill) gama radyasyonu ile plastit mutasyonlarının teşvik edilmesi ve somatik embriyogenez**  
Atak Ç., ALİKAMANOĞLU S., Canbolat Y.  
XV. Ulusal Biyoloji Kongresi, Ankara, Turkey, 1 - 04 September 2000, pp.32, (Full Text)
- XXIX. **Effect of Magnetic field on Paulownia seeds**  
Atak Ç., ALİKAMANOĞLU S., Danilov V., Rzakoulieva A., Yurttaş B., Topçul F.  
Second Balkan Botanical Congress, Turkey, 1 - 04 September 2000, pp.157, (Full Text)
- XXX. **İn vitro Somatik Mutasyonların Oluşturulmasında Gama Radyasyonunun Etkisi**

- ALİKAMANOĞLU S.  
XV.Ulusal Biyoloji Kongresi, Ankara, Turkey, 1 - 04 September 2000, pp.27, (Full Text)
- XXXI. **The Analysis of Gama Radiation Effect on M1 generation of Soybean (Glycine max L.Merrill)**  
ALİKAMANOĞLU S., Turan K.  
Balkan Botanical Congress, Turkey, 1 - 04 August 2000, pp.203
- XXXII. **Induction of Haploid Sugar Beet (Beta vulgaris L.) by Culturing Unfertilized Ovules**  
ALİKAMANOĞLU S.  
Balkan Botanical Congress, Turkey, 1 - 04 June 2000, pp.161-166, (Full Text)
- XXXIII. **Magnetik alanın soya (Glycine max L.Merrill) verimi üzerine etkisi**  
Özalpan A., Atak Ç., Yurttaş B., ALİKAMANOĞLU S., Canbolat Y., Borucu H., Danilov V., Rzakoulieva A.  
XI.Ulusal Biyofizik Kongresi, Antalya, Turkey, 1 - 04 October 1999, pp.60
- XXXIV. **Soya Fasulyesi ( Glycine Max L. Merrill ) Kallus ve Meristem Kültürlerine Gama Radyasyonunun Etkileri**  
Atak Ç., ALİKAMANOĞLU S., Yalçın S.  
13.Ulusal Biyoloji Kongresi, İstanbul, Turkey, 1 - 04 September 1996, pp.59, (Full Text)
- XXXV. **Soya fasulyesi (Glycine max L. Merrill) Meristem Kültürlerinde Gama Radyasyonunun Bitki Rejenerasyonuna Etkisi**  
Atak Ç., ALİKAMANOĞLU S.  
12.Ulusal Biyoloji Kongresi, İstanbul, Turkey, 1 - 04 September 1994, pp.202-207, (Full Text)
- XXXVI. **Soya (Glycine max L.Merrill) Doku Kültürlerine Gama Radyasyonunun Etkisi**  
ALİKAMANOĞLU S.  
VIII. KÜKEM Kongresi, Ankara, Turkey, 1 - 04 September 1993, pp.104-105, (Full Text)

## Funded Projects

- ALİKAMANOĞLU S., Project Supported by Higher Education Institutions, Patates (Solanum tuberosum L) Bitkisinde Gama Radyasyonu ile Kuraklığa Dayanıklı Bitkilerin Teşviki ve in vitro Ortamda Seleksiyonu, 2008 - 2012
- ALİKAMANOĞLU S., Project Supported by Higher Education Institutions, Soya (Glycine max L.Merrill) Doku Kültüründe Antioksidan Savunma Sistemlerine Tuz Stresinin Etkileri, 2009 - 2011
- ALİKAMANOĞLU S., Project Supported by Other Official Institutions, Soya Fasulyesinde Atrazine Mukavim Mutantların Gama Radyasyonu İle Teşviki ve in vitro Seleksiyonu., 1996 - 2000

## Activities in Scientific Journals

- Turkish Journal of Biology, Editor, 2013 - 2013
- Turkish Journal of Biology , Editor, 2013 - 2013
- Turkish Journal of Biology , Editor, 2012 - 2012

## Memberships and Roles in Scientific Organizations

- Doğal Zenginlikleri Araştırma ve Uygulama Merkezi, Member, 2007 - Continues
- Biyoteknoloji ve Genetik Mühendisliği Araştırma ve Uygulama Merkezi, Member, 2009 - 2010

## Peer Reviews in Scientific Publications

- Botanical Studies, SCI Journal, March 2017
- Food Science and Biotechnology, SCI Journal, February 2017
- Turkish Journal of Biology, SCI Journal, October 2016

Turkish Journal of Biology, SCI Journal, April 2016  
CROP SCIENCE, SCI Journal, July 2013  
Turkish Journal of Biology, SCI Journal, February 2013  
Turkish Journal of Biology, SCI Journal, August 2012  
Turkish Journal of Biology, SCI Journal, May 2012  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY , SCI Journal, March 2012  
Turkish Journal of Biology, SCI Journal, October 2011  
Turkish Journal of Biology, SCI Journal, October 2011  
ACTA PHYSIOLOGIAE PLANTARUM, SCI Journal, July 2011  
Mutation Research/Fundamental and Molecular Mechanisms of Mutagenesis, SCI Journal, July 2011  
Turkish Journal of Biology, SCI Journal, June 2011  
Yüzüncü Yıl Üniversitesi ,Tarım Bilimleri Dergisi, National Scientific Refreed Journal, May 2011  
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Turkish Journal of Biology, SCI Journal, May 2010  
JOURNAL OF CELL AND MOLECULAR BIOLOGY, Other Indexed Journal, November 2007

## Scientific Consultations

ÇOMÜ Bilimsel Araştırma Projeleri Komisyonu, Project Consultancy, Istanbul University, Faculty Of Science, Department of Biology, Turkey, 2008 - 2008

## Metrics

Publication: 57  
Citation (WoS): 387  
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## Congress and Symposium Activities

14th International Fir Symposium, Attendee, Turkey, 2012  
Ekoloji 2011 Sempozyumu, Attendee, Turkey, 2011  
X. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Attendee, Turkey, 2009  
XV. Biyoteknoloji Kongresi, Attendee, Turkey, 2007  
IX. Ulusal Nükleer Bilimler ve Teknolojileri Kongresi, Attendee, Turkey, 2005  
V. Ulusal Ekoloji ve Çevre Kongresi, Attendee, Turkey, 2004  
XIII. Biyoteknoloji Kongresi, Attendee, Turkey, 2003  
XII. Biyoteknoloji Kongresi, Attendee, Turkey, 2001  
I. Eurasia Conference on Nuclear Science and Its Application, Attendee, Turkey, 2000  
XV. Ulusal Biyoloji Kongresi, Attendee, Turkey, 2000  
Second Balkan Botanical Congress, Attendee, Turkey, 2000  
XI.Ulusal Biyofizik Kongresi, Attendee, Turkey, 1999  
DNA Biyosensörleri, Genetik Hastalıklar ve Kanser Araştırmaları Sempozyumu, Attendee, Turkey, 1998  
13.Ulusal Biyoloji Kongresi, Attendee, Turkey, 1996  
Biyoteknoloji ve Bitki Islahı. Workshop TÜBİTAK, Attendee, Turkey, 1995  
II. Ulusal Biyoteknoloji Sempozyumu, Attendee, Turkey, 1994  
Nükleer Elektrik SANtralleri ve Türkiye Açısından Önemi Sempozyumu, Attendee, Turkey, 1994



12.Ulusal Biyoloji Kongresi, Attendee, Turkey, 1994

VIII. KÜKEM Kongresi, Attendee, Turkey, 1993

## Awards

ALİKAMANOĞLU S., Effects Of Static Magnetic Field Pretreatment With And Without Peg 6000 Or Nacl Exposure On Wheat Biochemical Parameters, TÜBİTAK, November 2014

ALİKAMANOĞLU S., Antioxidant Enzyme Activities, Malondialdehyde, And Total Phenolic Content Of Peg-Induced Hyperhydric Leaves In Sugar Beet Tissue Culture, TÜBİTAK, November 2014

ALİKAMANOĞLU S., Characterization Of Drought-Tolerant Sugar Beet Mutants Induced With Gamma Radiation Using Biochemical Analysis And Isozyme Variations, TÜBİTAK, November 2014

ALİKAMANOĞLU S., Analysis of Drought-Tolerant Sugar Beet (*Beta vulgaris* L.) Mutants Induced With Gamma Radiation Using SDS-PAGE and ISSR Markers, TÜBİTAK, April 2013

ALİKAMANOĞLU S., KARATUĞ KAÇAR A., GÜZELDEMİR N., ERYILMAZ L., KARATUĞ KAÇAR A., KARATUĞ KAÇAR A., ALTUN S., KARATUĞ KAÇAR A., ERKAN M. B., ÖZTÜRK B., Başarılı Araştırmacı Ödülü, İstanbul Üniversitesi, Bilimsel Araştırma Projeleri, April 2013

ALİKAMANOĞLU S., Induction of salt-tolerant potato (*Solanum tuberosum* L.) mutants with gamma irradiation and characterization of genetic variations via RAPD-PCR analysis, TÜBİTAK, November 2012

KUBANÇ C., ALTUĞ G., ALİKAMANOĞLU S., ÇOTUK A., Başarılı Araştırmacı Ödülü, İstanbul Üniversitesi Bilimsel Araştırma Projeleri, April 2007

ALİKAMANOĞLU S., The effect of magnetic field on *Paulownia* tissue cultures., TÜBİTAK, October 2005

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ALİKAMANOĞLU S., Tarımsal Biyoteknoloji Sektöründe Birincilik Ödülü, XII. Biyoteknoloji Kongresi, September 2001