

Assoc. Prof. İLKER UZ

Personal Information

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International Researcher IDs

Publons / Web Of Science ResearcherID: C-7620-2016

Yoksis Researcher ID: 112128

Education Information

Doctorate, University of Florida, The Institute Of Food And Agricultural Sciences, Soil And Water Science, United States Of America 1999 - 2005

Postgraduate, University of Florida, The Institute Of Food And Agricultural Sciences, Soil And Water Science, United States Of America 1997 - 1998

Undergraduate, Ankara University, Faculty of Agriculture, Department of Soil Science, Turkey 1989 - 1993

Foreign Languages

English, C1 Advanced

Dissertations

Doctorate, Characterization of Cellulolytic and Fermentative Processes, with Emphasis on Clostridium Species in Wetland Soils, University of Florida, The Institute Of Food And Agricultural Sciences, Soil And Water Science, 2005

Postgraduate, Characterization of a Naphthalene Degrading Bacterium, University of Florida, The Institute Of Food And Agricultural Sciences, Soil And Water Science, 1998

Research Areas

Agricultural Sciences, Agriculture, Soil Biology, Microbial Diversity, Microbiology

Academic Titles / Tasks

Associate Professor, Akdeniz University, Faculty Of Agriculture, Department of Soil Science and Plant Nutrition, 2018 - Continues

Assistant Professor, Akdeniz University, Faculty Of Agriculture, Department of Soil Science and Plant Nutrition, 2007 - 2018

Research Assistant PhD, Tokat Gaziosmanpaşa University, Artova Vocational School, Organic Agriculture, 2005 - 2007

Research Assistant, University of Florida, IFAS, Soil And Water Science Dept., Soil And Water Science Dept., 2002 - 2005

Research Assistant, University of Florida, The Landfill Project, The Landfill Project, 2000 - 2001

Research Assistant, Akdeniz University, Faculty Of Agriculture, Department of Soil Science and Plant Nutrition, 1993 - 1995

Academic and Administrative Experience

Deputy Head of Department, Akdeniz University, Faculty Of Agriculture, Soil Science and Plant Nutrition, 2019 - Continues

Deputy Head of Department, Akdeniz University, Faculty Of Agriculture, Soil Science and Plant Nutrition, 2009 - 2016

Faculty Committee Member, Akdeniz University, Faculty Of Agriculture, 2012 - 2015

Faculty Central Lab. Director, Akdeniz University, Faculty Of Agriculture, 2009 - 2013

Advising Theses

Uz İ., THE EFFECT OF VERMICOMPOST OBTAINED FROM DIFFERENT CATTLE MANURES ON SOME PROPERTIES OF SOIL AND PLANT, Postgraduate, S.AYOBAMI(Student), 2023

Uz İ., INVESTIGATION OF NITRIFICATION AND DENITRIFICATION BACTERIAL COMMUNITY STRUCTURE IN VERMICOMPOST APPLIED SOIL BY CULTURE-INDEPENDENT MOLECULAR TECHNIQUES, Postgraduate, R.YILDIZ(Student), 2023

Uz İ., ISOLATION OF PHOSPHATE SOLUBILIZING BACTERIA FROM VERMICOMPOST AND DETERMINATION OF THEIR MICROBIAL FERTILIZER POTENTIAL, Postgraduate, A.NUR(Student), 2022

Uz İ., ISOLATION OF NITROGEN-FIXING BACTERIA FROM VERMICOMPOST APPLIED SOIL AND DETERMINATION OF THEIR POTENTIAL AS MICROBIAL FERTILIZER, Postgraduate, E.YANIK(Student), 2021

Uz İ., INVESTIGATING THE EFFECT OF BIOCHAR ON MICROBIAL PROPERTIES IN THE SOIL, Doctorate, A.Jatif(Student), 2020

Uz İ., INVESTIGATION OF THE EFFECTS OF VERMICOMPOST USE ON SOIL FERTILITY, SEEDLING PRODUCTION, YIELD AND QUALITY CHARACTERISTICS IN LETTUCE (*Lactuca sativa* var. *crispa*) UNDER GREENHOUSE CONDITIONS, Doctorate, İ.Emrah(Student), 2019

Uz İ., EFFECT OF APPLICATION OF A MICROBIAL FERTILIZER THAT CONTAINS PHOSPHORUS SOLUBILIZING BACTERIA ON SOME SOIL BIOLOGICAL PROPERTIES AND GROWTH AND NUTRITIONAL STATUS OF TOMATO PLANT, Postgraduate, S.ÇETİN(Student), 2015

Uz İ., EFFECT OF VERMICOMPOST APPLICATION ON SOIL ENZYME ACTIVITY AND BACTERIAL NUMBER, Postgraduate, İ.Emrah(Student), 2011

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Monitoring the effects of pH and EC regulated drip fertigation on microbial dynamics of calcareous soil in tomato (*Solanum lycopersicum* L.) cultivation under greenhouse conditions in a Mediterranean climate**
MALTAŞ A. Ş., TAVALI İ. E., UZ İ., KAPLAN M.
Scientia Horticulturae, vol.306, 2022 (SCI-Expanded)
- II. **Monitoring the Changes in the Microbial Dynamics of Calcareous Soil with the Amendment of Stabilized and Dried Sewage Sludge in Mediterranean Region of Turkey**
Tavali I. E., ORMAN Ş., Ozgur A., UZ İ., Sulaman S.
POLISH JOURNAL OF ENVIRONMENTAL STUDIES, vol.30, no.6, pp.5263-5271, 2021 (SCI-Expanded)
- III. **Short-Term Effects of Solid and Liquid Manure Amendments on Microbial Activity of an Alkaline Soil with High Lime Content during Horticultural Plant Growing**
Tavali I. E., MALTAŞ A. Ş., UZ İ., KAPLAN M.
COMMUNICATIONS IN SOIL SCIENCE AND PLANT ANALYSIS, vol.50, no.21, pp.2767-2776, 2019 (SCI-Expanded)

- IV. **Seasonal changes of spatial variation of some groundwater quality variables in a large irrigated coastal Mediterranean region of Turkey**
KURUNÇ A., Ersahin S., SÖNMEZ N. K., KAMAN H., UZ İ., UZ B. Y., ASLAN G. E.
SCIENCE OF THE TOTAL ENVIRONMENT, vol.554, pp.53-63, 2016 (SCI-Expanded)
- V. **Effect of Vermicompost on Chemical and Biological Properties of an Alkaline Soil with High Lime Content during Celery (*Apium graveolens* L. var. *dulce* Mill.) Production**
UZ İ., SÖNMEZ S., Tavali I. E., Çıtak S., Uras D. S., Citak S.
NOTULAE BOTANICAE HORTI AGROBOTANICI CLUJ-NAPOCA, vol.44, no.1, pp.280-290, 2016 (SCI-Expanded)
- VI. **Short-Term Effect of Vermicompost Application on Biological Properties of an Alkaline Soil with High Lime Content from Mediterranean Region of Turkey**
UZ İ., Tavali I. E.
SCIENTIFIC WORLD JOURNAL, vol.2014, 2014 (SCI-Expanded)
- VII. **A holistic management of waste landfills in Mediterranean city: The case study of Antalya Kizilli**
ERDOĞAN R., MANSUROĞLU S., UZ İ., Oktay H. E.
JOURNAL OF FOOD AGRICULTURE & ENVIRONMENT, vol.9, no.2, pp.636-640, 2011 (SCI-Expanded)
- VIII. **Identification of nitrate leaching hot spots in a large area with contrasting soil texture and management**
KURUNÇ A., Ersahin S., Uz B. Y., SÖNMEZ N. K., UZ İ., KAMAN H., Bacalan G. E., Emekli Y.
Agricultural Water Management, vol.98, no.6, pp.1013-1019, 2011 (SCI-Expanded)
- IX. **Effect of both soil copper applications and foliar copper application frequencies on macronutrients contents of tomato plants**
Sonmez S., Kaplan M., Sonmez N. K., KAYA H., Uz I.
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.7, pp.5372-5384, 2007 (SCI-Expanded)
- X. **Effect of soil copper and foliar copper applications on micronutrient contents of tomato plants**
Sonmez S., Kaplan M., Sonmez N. K., Kaya H., Uz I.
ASIAN JOURNAL OF CHEMISTRY, vol.19, no.5, pp.3929-3940, 2007 (SCI-Expanded)
- XI. ***Methylocystis hirsuta* sp nov., a novel methanotroph isolated from a groundwater aquifer**
Lindner A. S., Pacheco A., Aldrich H. C., Staniec A. C., UZ İ., Hodson D. J.
INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY, vol.57, pp.1891-1900, 2007 (SCI-Expanded)
- XII. **Cellulolytic, fermentative, and methanogenic guilds in benthic periphyton mats from the Florida Everglades**
UZ İ., Chauhan A., Ogram A. V.
FEMS MICROBIOLOGY ECOLOGY, vol.61, no.2, pp.337-347, 2007 (SCI-Expanded)
- XIII. **Cellulolytic and fermentative guilds in eutrophic soils of the Florida Everglades**
UZ İ., Ogram A. V.
FEMS MICROBIOLOGY ECOLOGY, vol.57, no.3, pp.396-408, 2006 (SCI-Expanded)
- XIV. **High level of copper application to soil and leaves reduce the growth and yield of tomato plants**
Sonmez S., Kaplan M., Sonmez N. K., KAYA H., Uz I.
SCIENTIA AGRICOLA, vol.63, no.3, pp.213-218, 2006 (SCI-Expanded)
- XV. **Characterization of methanogenic and methanotrophic assemblages in landfill samples**
Uz I., Rasche M., Townsend T., Ogram A., Lindner A.
PROCEEDINGS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES, vol.270, 2003 (SCI-Expanded)
- XVI. **Characterization of the naphthalene-degrading bacterium, *Rhodococcus opacus* M213**
Uz I., Duan Y., Ogram A.
FEMS MICROBIOLOGY LETTERS, vol.185, no.2, pp.231-238, 2000 (SCI-Expanded)

Articles Published in Other Journals

- I. **Isolation of Cold Tolerant Bacteria from Antalya Region and Analysis of Their Growth Rates**

AKSOY M., UZ İ., Yıldız R., KANTAR F.

Uluslararası Tarım ve Yaban Hayatı Bilimleri Dergisi, vol.8, no.3, pp.502-507, 2022 (Peer-Reviewed Journal)

- II. **Effect of biochar applications on certain quality parameters and lettuce yield (*Lactuca sativa* L.)**
GALADIMA M. M., ABDUL AZIZ A. L., YILMAZ E., UZ İ.
Mediterranean Agricultural Sciences, vol.33, no.3, pp.417-424, 2020 (Peer-Reviewed Journal)
- III. **Vermicompost application in red cabbage (*Brassica oleracea* var. *capitata* f. *rubra*) cultivation**
Maltaş A. Ş., Tavalı İ. E., Uz İ., Kaplan M.
Mediterranean Agricultural Sciences, vol.30, no.2, pp.155-161, 2017 (Peer-Reviewed Journal)
- IV. **The effect of vermicompost and chicken manure on yield and quality of summer squash (*Cucurbita pepo* L. cv. *Sakiz*) and some soil chemical properties**
Tavalı İ. E., Uz İ., Orman Ş.
Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, vol.27, no.2, pp.119-124, 2014 (Peer-Reviewed Journal)
- V. **The effect of vermicompost on yield, quality and nutritional status of white cabbage (*Brassica oleracea* var. *Alba*)**
Tavalı İ. E., Maltaş A. Ş., Uz İ., Kaplan M.
Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, vol.27, pp.61-67, 2014 (Peer-Reviewed Journal)
- VI. **The effect of vermicompost on yield, quality and nutritional status of cauliflower (*Brassica oleracea* var. *botrytis*)**
Tavalı İ. E., Maltaş A. Ş., Uz İ., Kaplan M.
Akdeniz Üniversitesi Ziraat Fakültesi Dergisi, no.26, pp.115-120, 2013 (Peer-Reviewed Journal)
- VII. **Utilization of vermicompost in sustainable agricultural production**
Tavalı İ. E., Uz İ.
Hasad Bitkisel Üretim Dergisi, vol.27, no.314, pp.106-110, 2011 (Peer-Reviewed Journal)
- VIII. **Determination of nutritional status of pepper grown in the Kumluca and Kale Regions**
Sönmez S., Uz İ., Kaplan M., Aksoy T.
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, vol.23, no.Ek Sayı: 2, pp.365-373, 1999 (Scopus)
- IX. **Determination of the nutritional status of eggplants grown in greenhouses in the Kumluca and Kale Regions**
Uz İ., Sönmez S., Kaplan M.
Bahçe, no.27, pp.63-72, 1997 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Management of Soil Organisms and Its Importance for Sustainable Agriculture**
Okur N., Kızılkaya R., Uz İ.
in: Soil Management, Erşahin S., Öztaş T., Namlı A., Karahan G., Editor, Gazi Yayın Dağıtım, Ankara, pp.405-447, 2015

Refereed Congress / Symposium Publications in Proceedings

- I. **Exploring the potential of psychrophilic organisms for crop production under cold conditions**
Aksoy M., Uz İ., Yıldız R., Kantar F.
1st International Congress on Biotech Studies, Ankara, Turkey, 9 - 11 November 2022
- II. **Effect of heat treatment with vermicompost on soil biological and chemical properties related to nitrogen**
Tavalı İ. E., Uz İ.
8. Ulusal Bitki Besleme ve Gübre Kongresi, Antalya, Turkey, 12 - 15 March 2019, pp.74
- III. **Vermicompost Application in Vegetable Seedling Cultivation**
Tavalı İ. E., Uz İ.
Doğal 2018 (Natural 2018) AVRASYA Doğal Beslenme ve Sağlıklı Yaşam Zirvesi'2018 (International EURASIAN

Natural Nutrition and Healthy Life Summit 2018), Ankara, Turkey, 12 - 15 July 2018, pp.291-292

- IV. **Utilization of vermicompost in horticultural plant growing**
TAVALI İ. E., MALTAŞ A. Ş., UZ İ., KAPLAN M.
5.ULUSLARARASI KATILIMLI TOPRAK VE SU KAYNAKLARI KONGRESİ, Kırklareli, Turkey, 12 - 15 September 2017, pp.198
- V. **Effect of a biofertilizer with phosphorus-solubilizing Bacteria on some biological properties of bulk soil in the presence of tomato plant (*Solanum lycopersicum* L.)**
Çetin Torun S., Uz İ.
2nd International Conference on Science, Ecology and Technology-2016 (ICONSETE-2016), Barcelona, Spain, 14 - 16 October 2016, pp.927-936
- VI. **Effect of vermicompost and chicken manure on yield and quality of summer squash (*Cucurbita pepo* L. cv. Sakız) and soil physical and chemical properties**
Tavali İ. E., Uz İ., Orman Ş.
9th International Soil Science Congress on The Soul of Soil and Civilization, Antalya, Turkey, 14 - 16 October 2014, pp.662
- VII. **Effect of Vermicompost Application on Soil Alkaline Phosphatase Activity and Available Phosphorus Content**
TAVALI İ. E., UZ İ.
8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management, İzmir, Turkey, 15 - 17 May 2012, vol.5, pp.607-612
- VIII. **Effect of vermicompost application on soil alkaline phosphatase activity and available phosphorus content**
Tavali İ. E., Uz İ.
8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management, İzmir, Turkey, 15 - 17 May 2012, vol.5, pp.607-612
- IX. **Spatial variability of nitrate leaching in Serik Plain (Antalya)**
Yetgin Uz B., Erşahin S., Kurunç A., Sönmez N. K., Uz İ., Kaman H., Aslan G. E.
8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management, İzmir, Turkey, 15 - 17 May 2012, vol.3, pp.113-120
- X. **Antalya Köprüçay Sulamasının Tabansuyuna Etkisinin Coğrafi Bilgi Sistemleri Kullanılarak Belirlenmesi**
Kurunç A., Sönmez N. K., Erşahin S., Yetgin Uz B., Kaman H., Uz İ., Emekli N. Y., Aslan G. E.
I. Ulusal Sulama ve Tarımsal Yapılar Sempozyumu, Kahramanmaraş, Turkey, 27 - 29 May 2010, pp.342-352
- XI. **Spatial Variation of Some Physical and Chemical Properties of Soils in Serik Plain**
Erşahin S., Kurunç A., Sönmez N. K., Yetgin Uz B., Kaman H., Uz İ., Emekli N. Y., Aslan G. E.
International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality, Samsun, Turkey, 26 - 28 May 2010, pp.106-115
- XII. **Molecular ecology of nitrifying and denitrifying microbial communities.**
UZ İ.
International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality, Samsun, Turkey, 26 - 28 May 2010, pp.802-809
- XIII. **Identification of Nitrate Leaching Hot Spots in a Large Area with Contrasting Management and Soil Texture**
Kurunç A., Erşahin S., Yetgin Uz B., Sönmez N. K., Uz İ., Kaman H., Aslan G. E., Emekli N. Y.
International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality", Samsun, Turkey, 26 - 28 May 2010, pp.153-161
- XIV. **Application of molecular techniques in soil microbial ecology**
UZ İ., Ogram A. V.
18th International Soil Meeting on Soil Sustaining Life on Earth, Managing Soil and Technology, Şanlıurfa, Turkey, 22 - 26 May 2006, no.2, pp.601-607
- XV. **Composition and activities of cellulolytic, fermentative, and syntrophic bacteria in floc layer from**

oligotrophic Everglades soils

UZ İ., Chauhan A., Ogram A. V., Reddy K. R.

105. General Meeting of American Society for Microbiology, Atlanta, United States Of America, 5 - 09 June 2005

XVI. Effect of eutrophication on composition of Clostridium assemblages in the Florida Everglades

UZ İ., Ogram A. V., Reddy K. R.

104. General Meeting of American Society for Microbiology, New Orleans, United States Of America, 23 - 27 May 2004

XVII. Novel metabolites identified in the biochemical pathway of naphthalene degradation by Rhodococcus opacus M213

Chauhan A., UZ İ., Ogram A. V.

103. General Meeting of American Society for Microbiology, Washington Dc, United States Of America, 18 - 22 May 2003

XVIII. Composition and activities of cellulolytic and fermentative bacteria in impacted and nonimpacted wetland soils

UZ İ., Ogram A. V., Reddy K. R.

103. General Meeting of American Society for Microbiology, Washington Dc, United States Of America, 18 - 22 May 2003

XIX. Microbial trophic levels within the carbon cycle in oligotrophic and nutrient impacted regions of water conservation area 2-A

Ogram A. V., Chauhan A., Castro H., UZ İ., Reddy K. R.

Joint Conference on the Science and Restoration of the Greater Everglades and Florida Bay Ecosystem, Palm Harbor, United States Of America, 13 - 18 April 2003, pp.407-408

XX. Characterization and activity comparison of methanotrophic-heterotrophic mixed cultures derived from landfill environments

Strate J., Harris R., UZ İ., Ogram A. V., Rasche M. E., Lindner A. S.

102. General Meeting of American Society for Microbiology, Salt Lake City, United States Of America, 19 - 23 May 2002

XXI. Salinization problem in Antalya region greenhouse soils and recommendations

Kaplan M., Sonnmez S., Tokmak S., Uz İ.

International Symposium on Techniques to Control Salination for Horticultural Productivity, Antalya, Turkey, 7 - 10 November 2000, pp.401-406

XXII. Microbial characterization of landfill cover soils of different ages

UZ İ., Lindner A. S., Rasche M. E., Ogram A. V.

101. General Meeting of American Society for Microbiology, Orlando, United States Of America, 20 - 24 May 2001

XXIII. Characterization of the methanotrophic strain CSC-1 isolated from groundwater mixed culture MM1

Hodson D. J., UZ İ., Ramakrishnan V., Ogram A., Lindner A. S.

101. General Meeting of American Society for Microbiology, Orlando, United States Of America, 20 - 24 May 2001

Supported Projects

Uçar G., Uz İ., TAGEM Tarımsal Araştırmalar ve Politikalar Genel Müdürlüğü Projesi, The Effect of Microbial Fertilizers on the Growth, Yield, and Some Physiological and Biochemical Characteristics of Cucumber Under Restricted Irrigation Conditions, 2023 - 2024

UZ İ., ALKAN A. N., Project Supported by Higher Education Institutions, Vermikomposttan Fosfat Çözen Bakterilerin İzole Edilmesi ve Mikrobiyal Gübre Potansiyelinin Belirlenmesi, 2020 - 2022

UZ İ., Kaplan M., TUBITAK Project, Investigation of Effects of Vermicompost Application on Nitrifying and Denitrifying Bacterial Community Structure and Diversity by DNA-Based Culture-Independent Molecular Techniques In A Soil With Plant, 2017 - 2022

UZ İ., Project Supported by Higher Education Institutions, Vermikomposttan Azot Fikse Eden Bakterilerin İzole Edilmesi ve Mikrobiyel Gübre Potansiyellerinin Belirlenmesi, 2017 - 2021

UZ İ., TAVALI İ. E., Project Supported by Higher Education Institutions, Vermikompost Kullanımının Sera Koşullarında Kıvırcık Marul (*Lactuca sativa* var. *crispa*)’da Toprak Verimliliği ile Fide Üretimi, Verim ve Kalite Özellikleri Üzerine Etkilerinin İncelenmesi, 2017 - 2019

Öztürk Y., Kılıç B., Uz İ., Tavalı İ. E., TUBITAK Project, Investigation of The Effect of Banana Compost with Microbial Fertilizer and Leonardite on Crop Production, 2013 - 2014

Uz İ., Sönmez S., Tavalı İ. E., Çıtak S., Üras D. S., Özsayın S., Project Supported by Higher Education Institutions, Effects of Vermicompost applied in different rates on nutrition of Leek and Celery Plants and Some Soil Microbial Properties Under Field Conditions, 2011 - 2014

Tavalı İ. E., Uz İ., Project Supported by Higher Education Institutions, Effect of Vermicompost Application on Soil Enzyme Activity and Bacterial Number, 2010 - 2011

Kurunç A., Kaman H., Sönmez N. K., Erşahin S., Uz İ., TUBITAK Project, Anaysis of Spatial Variation in NLEAP-Simulated Nitrate Leaching Indices in Serik Plain of Antalya, 2008 - 2010

Activities in Scientific Journals

Editor, 2019 - 2021

Memberships / Tasks in Scientific Organizations

Türkiye Toprak Bilimi Derneği, Member, 2005 - Continues

American Society for Microbiology, Member, 1997 - Continues

Metrics

Publication: 49

Citation (WoS): 307

Citation (Scopus): 377

H-Index (WoS): 8

H-Index (Scopus): 10

Congress and Symposium Activities

8. Ulusal Bitki Besleme ve Gübre Kongresi, Attendee, Antalya, Turkey, 2019

Doğal 2018 (Natural 2018) AVRASYA Doğal Beslenme ve Sağlıklı Yaşam Zirvesi’2018 (International EURASIAN Natural Nutrition and Healthy Life Summit 2018), Attendee, Ankara, Turkey, 2018

2nd International Conference on Science, Ecology and Technology-2016 (ICONSETE-2016), Attendee, Barcelona, Spain, 2016

9th International Soil Science Congress on The Soul of Soil and Civilization, Attendee, Antalya, Turkey, 2014

8th International Soil Science Congress on "Land Degradation and Challenges in Sustainable Soil Management, Attendee, İzmir, Turkey, 2012

International Soil Science Congress on "Management of Natural Resources to Sustain Soil Health and Quality, Attendee, Samsun, Turkey, 2010

18th International Soil Meeting on Soil Sustaining Life on Earth, Managing Soil and Technology, Attendee, Ş.Urfa, Turkey, 2006

104. General Meeting of American Society for Microbiology, Attendee, Louisiana, United States Of America, 2004

103. General Meeting of American Society for Microbiology, Attendee, District Of Columbia, United States Of America, 2003

101. General Meeting of American Society for Microbiology, Attendee, Florida, United States Of America, 2001

Scholarships

Scholarship for MSc and PhD education abroad, Ministry of Education, 1995 - 2002

Scholarship for undergraduate education , University, 1991 - 1992