

Prof. AYŞEGÜL PALA

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Çevre Teknolojileri (Dr), Turkey 1985 - 1993

Postgraduate, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Çevre Teknolojisi (YI) (Tezli), Turkey 1982 - 1985

Undergraduate, Dokuz Eylul University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, Turkey 1978 - 1982

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Kirlenme etkisi altındaki deniz ortamlarında alg büyümesini etkileyen mekanizmalar, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Çevre Teknolojileri (Dr), 1992

Postgraduate, Deri Atıksularının Arıtılması, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Çevre Teknolojisi (YI) (Tezli), 1985

Research Areas

Engineering and Technology

Academic Titles / Tasks

Professor, Dokuz Eylul University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2001 - Continues

Academic and Administrative Experience

Enstitü Yönetim Kurulu Üyesi, Dokuz Eylul University, Fen Bilimleri Enstitüsü, 2021 - Continues

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Dokuz Eylul University, Rektörlük, Elektronik Malzemeler Üretimi ve Uygulama Merkezi, 2020 - Continues

Head of Department, Dokuz Eylul University, Fen Bilimleri Enstitüsü, Nanoscience and Nanoengineering, 2017 -

Continues

Manager of Research and Application Center, Dokuz Eylul University, Mühendislik Fakültesi, Çevre Mühendisliği Bölümü, 2009 - 2024

Courses

İstatistiğe Giriş, Undergraduate, 2023 - 2024

Çevre Kirliliği ve Kontrolü, Undergraduate, 2023 - 2024

ENDÜSTRİ ATIK SULARININ ARITILMASI, Undergraduate, 2022 - 2023

Environmental Pollution & Its Control, Undergraduate, 2022 - 2023

Kimyasal Prosesler, Undergraduate, 2022 - 2023

M.Sc. Thesis, Postgraduate, 2022 - 2023

Çevrenin Kor. Amaç. Disiplin. Proj. Geliştirme, Undergraduate, 2022 - 2023

Çevre Mühendisliğine Giriş, Undergraduate, 2022 - 2023

Advising Theses

PALA A., KUŞOĞLU İ. M., Investigation on the properties of thermal insulator nano-composites, Postgraduate, G.AKBABA(Student), 2019

PALA A., Kirlenmiş suların detoksifikasyonunda fotokatalizörlerin üretimi ve uygulanması, Postgraduate, G.KURŞUN(Student), 2015

PALA A., Kirleticilerin fotokatalitik oksidasyonla arıtımı, Doctorate, G.ÖNER(Student), 2015

PALA A., Kentsel atıksu arıtma çamurlarının yönetimi, Postgraduate, E.KARIMOV(Student), 2015

PALA A., Bir kot fabrikasında çevre yönetimi, Postgraduate, M.SARIBUDAK(Student), 2014

PALA A., Su arıtımında nanoteknolojik metotlar, Postgraduate, R.RUTH(Student), 2014

PALA A., Bir otomotiv destek endüstrisinde enerji yönetimi ve temiz üretim, Postgraduate, Ö.ÖZDEMİR(Student), 2014

PALA A., İzmir'deki eğlence yerlerinden kaynaklanan gürültünün ölçümü ve değerlendirilmesi, Postgraduate, Ö.TÜRKEKUL(Student), 2012

PALA A., Gediz havzası koruma eylem planı kapsamında Manisa ili çevre yönetiminin hazırlanması, Postgraduate, İ.SARIYER(Student), 2012

PALA A., İçme sularından elektrokoagülasyon ve filtrasyonla arsenik giderimi, Postgraduate, C.UÇAR(Student), 2011

PALA A., Organize sanayi bölgelerinde çevre yönetimi, Postgraduate, P.AKYIL(Student), 2010

PALA A., İçme sularından arsenik giderimi, Doctorate, M.BİLİCİ(Student), 2009

PALA A., Tankerlerde ballast suları yönetimi, Doctorate, C.İNMELER(Student), 2009

PALA A., Fosforca zengin arıtma çamurlarının anaerobik olarak çürütülmesi, Doctorate, E.TOKAT(Student), 2008

PALA A., Kentsel atıksu arıtma tesislerinde fosfor gideriminin yönetimi, Doctorate, T.TUNÇAL(Student), 2008

PALA A., İzmir ili evsel atıksu arıtma tesislerinin veri analizi, Postgraduate, E.PINAR(Student), 2007

PALA A., Belediye atık su arıtma çamurlarının yarı fermente olmuş katı atıklar ve biçilmiş çim kullanılarak kompostlaştırılması, Postgraduate, M.YÜCE(Student), 2006

PALA A., Ege bölgesinde belediye evsel atıksuyu arıtımı için yapay sulak alanlar, Postgraduate, H.ERKAYA(Student), 2005

PALA A., Susam işleme atık suyunun arıtılabilirliği üzerine bir çalışma, Postgraduate, G.ENGİN(Student), 2003

PALA A., Biyolojik olarak önarıtılmış endüstriyel atıksuların ileri arıtma yöntemleriyle arıtımı, Postgraduate, G.ERDEN(Student), 2003

PALA A., İzmir kentsel atık su arıtma tesisinin azot ve fosfor gideriminin kesikli testlerle belirlenmesi, Postgraduate, Ö.BÖLÜKBAŞ(Student), 2002

PALA A., Tekstil endüstrisi atıksularından aktif çamur sistemi kullanılarak renk giderimi üzerine bir araştırma, Postgraduate, E.TOKAT(Student), 2000

PALA A., Aerobik akışkan yataklı reaktörlerde yavaş parçalanmış bazı maddelerin arıtılabilirliği, Postgraduate, T.KARACA(Student), 1999

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Combined natural flotation and chemical precipitation for the treatment of vegetable oil refinery wastewater**
Hartal O., Khattabi Rifi S., Chatoui M., Haddaji C., Madinzi A., PALA A., Souabi S.
International Journal of Environmental Science and Technology, vol.21, no.10, pp.7295-7306, 2024 (SCI-Expanded)
- II. **Recent advances in the biological treatment of wastewater rich in emerging pollutants produced by pharmaceutical industrial discharges**
khalidi-idrissi A., Madinzi A., Anouzla A., PALA A., Mouhir L., Kadmi Y., Souabi S.
International Journal of Environmental Science and Technology, vol.20, no.10, pp.11719-11740, 2023 (SCI-Expanded)
- III. **A study on the efficiency of the sequential batch reactor on the reduction of wastewater pollution from oil washing**
Ettaloui Z., Rifi S. K., Haddaji C., PALA A., Taleb A., Souabi S.
Environmental Monitoring and Assessment, vol.195, no.3, 2023 (SCI-Expanded)
- IV. **Adsorption of humic acid from water using chemically modified bituminous coal-based activated carbons**
Habuda-Stanić M., Tutić A., Kučić Grgić D., Zeko-Pivač A., Burilo A., Paixão S., Teixeira V., Pagaimo M., PALA A., Ergović Ravančić M., et al.
Chemical and Biochemical Engineering Quarterly, vol.35, no.2, pp.189-203, 2021 (SCI-Expanded)
- V. **Majority Voting Based Multi-Task Clustering of Air Quality Monitoring Network in Turkey**
Tüysüzoğlu G., Birant D., Pala A.
APPLIED SCIENCES-BASEL, vol.9, no.8, 2019 (SCI-Expanded)
- VI. **Determination of optimum extinction wavelength for paracetamol removal through energy efficient thin film reactor**
ÇİFÇİ D. İ., TUNÇAL T., PALA A., USLU O.
JOURNAL OF PHOTOCHEMISTRY AND PHOTOBIOLOGY A-CHEMISTRY, vol.322, pp.102-109, 2016 (SCI-Expanded)
- VII. **Photocatalytic degradation of cyanide in wastewater using new generated nano-thin film photocatalyst**
PALA A., Politi R. R., Kurşun G., Erol M., Bakal F., Öner G., Çelik E.
SURFACE & COATINGS TECHNOLOGY, vol.271, pp.207-216, 2015 (SCI-Expanded)
- VIII. **Batch and Fixed-Bed Column Studies of Arsenic Adsorption on the Natural and Modified Clinoptilolite**
BİLİCİ BAŞKAN M., PALA A.
WATER AIR AND SOIL POLLUTION, vol.225, no.1, 2014 (SCI-Expanded)
- IX. **Arsenic removal from drinking water by electrocoagulation using iron electrodes**
Ucar C., BİLİCİ BAŞKAN M., PALA A.
KOREAN JOURNAL OF CHEMICAL ENGINEERING, vol.30, no.10, pp.1889-1895, 2013 (SCI-Expanded)
- X. **Removal of arsenic from drinking water using modified natural zeolite**
BİLİCİ BAŞKAN M., PALA A.
DESALINATION, vol.281, pp.396-403, 2011 (SCI-Expanded)
- XI. **A statistical experiment design approach for arsenic removal by coagulation process using aluminum sulfate**
BİLİCİ BAŞKAN M., PALA A.
DESALINATION, vol.254, pp.42-48, 2010 (SCI-Expanded)
- XII. **Determination of arsenic removal efficiency by ferric ions using response surface methodology**
Baskan M. B., PALA A.
JOURNAL OF HAZARDOUS MATERIALS, vol.166, pp.796-801, 2009 (SCI-Expanded)
- XIII. **DETERMINATION OF MICROBIAL RESPONSES TO SEASONAL VARIATIONS OF WASTEWATER COMPOSITION IN THE IZMIR WASTEWATER TREATMENT PLANT**

- Tuncal T., Pala A., Uslu O.
FRESENIUS ENVIRONMENTAL BULLETIN, vol.18, no.11, pp.2114-2122, 2009 (SCI-Expanded)
- XIV. **Decolorization of a Baker's yeast industry effluent by Fenton oxidation**
Pala A., Erden G.
JOURNAL OF HAZARDOUS MATERIALS, vol.127, pp.141-148, 2005 (SCI-Expanded)
- XV. **Evaluation of kinetic parameters for biological CNP removal from a municipal wastewater through batch tests**
Pala A., Bolukbas O.
PROCESS BIOCHEMISTRY, vol.40, no.2, pp.629-635, 2005 (SCI-Expanded)
- XVI. **Chemical pretreatment of landfill leachate discharged into municipal biological treatment systems**
Pala A., Erden G.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.21, no.5, pp.549-557, 2004 (SCI-Expanded)
- XVII. **Activated carbon addition to an activated sludge model reactor for color removal from a cotton textile processing wastewater**
Pala A., Tokat E.
JOURNAL OF ENVIRONMENTAL ENGINEERING-ASCE, vol.129, no.11, pp.1064-1068, 2003 (SCI-Expanded)
- XVIII. **Runoff modelling of rural catchments in Turkey**
Pala A.
JOURNAL OF ARID ENVIRONMENTS, vol.54, no.3, pp.505-512, 2003 (SCI-Expanded)
- XIX. **Color removal from cotton textile industry wastewater in an activated sludge system with various additives**
Pala A., Tokat E.
WATER RESEARCH, vol.36, no.11, pp.2920-2925, 2002 (SCI-Expanded)
- XX. **The effect of benzene, toluene, and o-xylene on COD removal in an aerobic fluidized bed reactor utilizing acetic acid as the main carbon source**
Pala A.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.18, no.6, pp.337-345, 2001 (SCI-Expanded)
- XXI. **The COD removal performance of an aerobic fluidized bed reactor**
Pala A.
ENVIRONMENTAL ENGINEERING SCIENCE, vol.18, no.5, pp.291-300, 2001 (SCI-Expanded)
- XXII. **Characterization and biological treatment of pickling industry wastewater**
Kargi F., Dincer A., Pala A.
BIOPROCESS ENGINEERING, vol.23, no.4, pp.371-374, 2000 (SCI-Expanded)
- XXIII. **Biological treatment of petrochemical wastewaters by Pseudomonas sp added activated sludge culture**
Pala A., SPONZA D. T.
ENVIRONMENTAL TECHNOLOGY, vol.17, no.7, pp.673-685, 1996 (SCI-Expanded)

Articles Published in Other Journals

- I. **Optimization of coagulation-flocculation for landfill leachate treatment: An experimental design approach using response surface methodology**
Bouyakhssass R., Souabi S., Rifi S. K., Taleb A., PALA A., Madinzi A.
Environmental Nanotechnology, Monitoring and Management, vol.20, 2023 (Scopus)
- II. **Performance of simultaneous carbon, nitrogen, and phosphorus removal from vegetable oil refining wastewater in an aerobic-anoxic sequencing batch reactor (OA-SBR) system by alternating the cycle times**
Haddaji C., Chatoui M., Khattabi Rifi S., Ettaloui Z., Digua K., PALA A., Anouzla A., Souabi S.
Environmental Nanotechnology, Monitoring and Management, vol.20, 2023 (Scopus)
- III. **Aerobic treatment of leachate from municipal solid waste in Morocco**

Abouri M., Souabi S., Abdellah Bahlaoui M., Zouhir F., Baudu M., Moharram R., PALA A.
PROCEEDINGS OF THE INSTITUTION OF CIVIL ENGINEERS-WASTE AND RESOURCE MANAGEMENT, vol.169, no.2,
pp.92-100, 2016 (ESCI)

- IV. **Study of refining wastewater pollution: Case of vegetable oil refining industry Morocco**
Chatoui M., Lahsaini S., Souabi S., Bahlaoui M., Hobaizi S., PALA A.
Journal of Materials and Environmental Science, vol.7, no.10, pp.3906-3915, 2016 (Scopus)
- V. **Removal of phenol and colour of leachate of municipal solid waste by physico-chemical treatment using a liquid waste as a coagulant**
Abouri M., Taleb A., Souabi S., PALA A.
Journal of Materials and Environmental Science, vol.7, no.11, pp.4290-4298, 2016 (Scopus)
- VI. **Su Bazlı Metilen Mavisi Çözeltisinin Fotokatalitik Parçalanması İçin K₂La₂Ti₃O₁₀ Filmlerin Üretimi**
Erol M., Başkurt Ç. G., Öner G., Pala A., Çelik E.
Afyon Kocatepe Üniversitesi Fen ve Mühendislik Bilimleri Dergisi, vol.14, pp.423-427, 2014 (Peer-Reviewed Journal)
- VII. **Low flow frequency analysis of the Nilüfer river at the Geçitköy station, Turkey**
Pala A., Benzedden E.
Journal of Environmental Hydrology, vol.9, 2001 (Scopus)
- VIII. **Chemical Treatment of Textile Wastewaters : Statistical Characterization, Colour and Sulfide Removal**
PALA A.
Indian Journal of Environmental Health, vol.43, no.3, pp.128-134, 2001 (Scopus)

Refereed Congress / Symposium Publications in Proceedings

- I. **ARSENİK DEĞERLERİNİN KANSER RİSKİ HESAPLANMASINA YÖNELİK PİLOT ÇALIŞMA**
PALA A., kurşun g.
V. ULUSLARARASI BATTALGAZİ BİLİMSEL ÇALIŞMALAR KONGRESİ, 18 - 20 December 2020
- II. **ORGANİZE SANAYİ BÖLGESİ ATIKSU ARITMA TESİSİNİN YAŞAM DÖNGÜ ANALİZİ İLE DEĞERLENDİRİLMESİ**
PALA A., kurşun g.
V. ULUSLARARASI BATTALGAZİ BİLİMSEL ÇALIŞMALAR KONGRESİ, 18 - 20 December 2020
- III. **Degradation of Phenol in Water by Using TiO₂ Nanotubes**
PALA A., kurşun g.
6th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY (ICOEST), 21 - 25 October 2020
- IV. **Reuse of urban wastewater effluent for sustainable water production**
PALA A., kurşun g.
6th INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY (ICOEST), 21 - 25 October 2020
- V. **Classification of Air Quality Network based on Meteorological and Pollutant Factors**
Tüysüzoğlu G., Birant D., Kut A., Pala A.
2nd International Congress on Human-Computer Interaction, Optimization and Robotic Applications (HORA), Turkey, 26 - 27 June 2020, pp.128-133
- VI. **Evaluation of an Industrial Park Wastewater Treatment Plant Environmental Performance by Using Life Cycle Analysis**
PALA A., kurşun g.
ICOEST 5TH INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY, 9 - 13 October 2019
- VII. **Determination of cancer risk for maximum PM₁₀ values in İzmir vicinity**
PALA A., kurşun g.
ICOEST 5th international conference on environmental science a, 9 - 13 October 2019

- VIII. **Sürdürülebilir Su Yönetimi için Atıksudan temiz su üretimi**
PALA A.
3. uluslararası su ve sağlık kongresi, 12 - 15 November 2019
- IX. **Sulardan Ağır Metal Adsorpsiyonunda Grafen Oksit (GO) Kullanımı**
BİLİCİ BAŞKAN M., PALA A., Kıvılcım S.
ULUSLARARASI KENTSEL SU VE ATIKSU YÖNETİMİ (UKSAY) SEMPOZYUMU, Denizli, Turkey, 25 - 27 October 2018
- X. **The Utilization of Treated Domestic Wastewater in the irrigable of the AlfaAlfa Plant : A project**
Burçak B., PALA A., Hidayat İ., KURŞUN G.
International Agriculture, Environment and Health Congress, 26 - 28 October 2018
- XI. **Treatment of Palm Oil Mill Effluent from Palm Oil Processing Industries to Provide Clean Water and Sustainable Social Benefit in Indonesia**
PALA A., Hidayet İ.
7 th Global Conference on Global Warming June 24-28, 2018, 24 - 28 July 2018
- XII. **The Utilization of Wastewater by Evaluating the Recent Regulation of Irrigation in Turkey : A Case Study**
Hidayet İ., PALA A., Kurşun G.
International Agriculture, Environment and Health Congress, 26 - 28 October 2018
- XIII. **Adsorption of Methylene Blue by Using Activated Carbon Prepared by Olive Seed**
PALA A., Karakivrak C. M., Kurşun G.
4th International Conference on Environmental Science and Technology 19-23 September 2018 Kiev, 19 - 23 September 2018, pp.272-277
- XIV. **PRODUCTION OF K₂LA₂Ti₃O₁₀ THIN FILMS FOR PHOTO-DEGRADATION OF REMAZOL MARINE AZO-DYES**
KURŞUN G., BAKAL F., PALA A., ÇELİK E.
The International Conference on Agriculture, Technology, Engineering and Sciences (ICATES 2018), 19 - 21 September 2018
- XV. **Urban Storm Water Management in Smart Cities**
PALA A., Sharma N.
4 th International Water Congress, İzmir, Turkey, 2 - 04 November 2017
- XVI. **A case study on environmental management of denim factory for sustainable production in Turkey**
PALA A., Saribudak M.
CEMEPE SECOTOX, 25 - 30 June 2017
- XVII. **Ballast Water Management in Tankers**
PALA A., İNMELEK C.
7 thh international Scientific and Professional Conference, 9 - 10 March 2017
- XVIII. **Nanocoating Thin Film Applications on Water Treatment**
PALA A., Politi R. R., Oner G., Kursun G., Bakal F., Canpolat O., Celik E.
5th International Conference on Advanced Nanomaterials (ANM), Aveiro, Portugal, 2 - 04 July 2014, vol.2, pp.271-280
- XIX. **Su Bazlı Metilen Mavisi Çözeltisinin Fotokatalitik Parçalanması İçin K₂La₂Ti₃O₁₀ Filmlerin Üretimi**
EROL M., başkurt ç. g., öner g., PALA A., ÇELİK E.
8.uluslararası Katılımlı Seramik Kongresi, AFYON, Turkey, 22 - 24 November 2012, vol.14, pp.423-427

Supported Projects

PALA A., Project Supported by Higher Education Institutions, Kirleticilerin Fotokatalitik Oksidasyonu, 2010 - 2013

PALA A., Project Supported by Higher Education Institutions, İzmir'deki eğlence yerlerinden kaynaklanan gürültünün ölçümü ve değerlendirilmesi, 2011 - 2012

PALA A., Project Supported by Higher Education Institutions, İçme Sularından Arsenik Giderimi, 2005 - 2008

Metrics

Publication: 51

Citation (WoS): 914

Citation (Scopus): 1044

H-Index (WoS): 12

H-Index (Scopus): 13

Non Academic Experience

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Çevre Mühendisliği Bölümü

Dokuz Eylül Üniversitesi Mühendislik Fakültesi Çevre Mühendisliği Bölümü

Dokuz Eylül Üniversitesi MÜHENDİSLİK-MİMARLIK FAK. ÇEVRE TEKNOLOJİSİ ABD.