

Personal Information

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Education Information

Doctorate, Ege Üniversitesi, Fen Bilimleri, Kimya (Fizikokimya), Turkey 2003 - 2009

Post Graduate, Ege Üniversitesi, Fen Bilimleri, Kimya (Fizikokimya), Turkey 1999 - 2003

Under Graduate, Ege Üniversitesi, Fen Fakültesi, Kimya, Turkey 1995 - 1999

Foreign Languages

English, B1 Intermediate

Dissertations

Doctorate, The synthesis of polymers from the allyl derivative monomers by using radiation, Ege Üniversitesi, Fen Bilimleri, Kimya (Fizikokimya), 2009

Post Graduate, Study of the relations between zinc and B-glucuronidase levels in some biological tissues using a new nuclear measurement technique for B- glucuronidase, Ege Üniversitesi, Fen Bilimleri, Kimya (Fizikokimya), 2003

Research Areas

Radiopharmacy, Chemistry, Physical Chemistry, Characterization of Polymers, Polymeric Materials, Spectroscopy, Thermodynamics, Natural Sciences

Academic Titles / Tasks

Associate Professor, Ege Üniversitesi, Fen Fakültesi, Kimya, 2017 - Continues

Assistant Professor, Ege Üniversitesi, Fen Fakültesi, Kimya, 2015 - 2017

Research Assistant PhD, Ege Üniversitesi, Fen Fakültesi, Kimya, 2009 - 2015

Research Assistant, Ege Üniversitesi, Fen Fakültesi, Kimya, 2004 - 2009

Research Assistant, Ege Üniversitesi, Fen Fakültesi, Kimya, 2000 - 2003

Professional Experience

Deputy Head of Department, Ege Üniversitesi, Fen Fakültesi, Kimya, 2016 - Continues

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

- **Synthesis and characterization of the POSS/PCL-graphene oxide composites; the effects of gamma-radiation on its thermal properties and molecular weight**

Saltan F., AKAT H., YILDIRIM Y.

MATERIALS RESEARCH EXPRESS, vol.6, 2019 (Journal Indexed in SCI)

- **Synthesis, characterization, toxicity and in vivo imaging of lysine graft polymeric nanoparticles**
Bakan B., Kayhan C. T. , Karayildirim Ç., DAĞDEVİREN M., GÜLCEMAL S., YILDIRIM Y., AKGÖL S., Yavasoglu N. Ü.
JOURNAL OF POLYMER RESEARCH, vol.26, 2019 (Journal Indexed in SCI)
- **Synthesis, molecular modeling, in vivo study, and anticancer activity of 1,2,4-triazole containing hydrazide-hydrazones derived from (S)-naproxen**
HAN M. İ. , Bekci H., Uba A. İ. , YILDIRIM Y., Karasulu E., CUMAOĞLU A., KARASULU H. Y. , Yelekci K., Yılmaz O., KÜÇÜKGÜZEL Ş. G.
ARCHIV DER PHARMAZIE, vol.352, 2019 (Journal Indexed in SCI)
- **Development of Ultrasound-Triggered and Magnetic-Targeted Nanobubble System for Dual-Drug Delivery**
Sanlier Ş., Ak G., Yılmaz H., Unal A., Bozkaya U. F. , Taniyan G., Yıldırım Y., Turkyılmaz G.
JOURNAL OF PHARMACEUTICAL SCIENCES, vol.108, pp.1272-1283, 2019 (Journal Indexed in SCI)
- **Fuel characteristics and combustion behavior of seaweed-derived hydrochars**
KANTARLI İ. C. , PALA M., YILDIRIM Y., YANIK J., ABREU M. H.
TURKISH JOURNAL OF CHEMISTRY, vol.43, pp.475-0, 2019 (Journal Indexed in SCI)
- **Structural changes in Poly(lactic acid)-zeolite nanocomposites exposed to Co-60 gamma rays**
YILDIRIM Y., ORAL A.
RADIATION EFFECTS AND DEFECTS IN SOLIDS, vol.173, pp.435-445, 2018 (Journal Indexed in SCI)
- **New copolymer of acrylamide with allyl methacrylate and its capacity for the removal of azo dyes**
Yıldırım Y., Yılmaz H., Ak G., Sanlier S. H.
POLIMEROS-CIENCIA E TECNOLOGIA, vol.25, pp.137-145, 2015 (Journal Indexed in SCI)
- **Combustion behavior of different kinds of torrefied biomass and their blends with lignite**
Toptas A., Yıldırım Y., Duman G., Yanık J.
BIORESOURTE TECHNOLOGY, vol.177, pp.328-336, 2015 (Journal Indexed in SCI)
- **The influence of gamma-ray irradiation on the thermal stability and molecular weight of Poly(L-Lactic acid) and its nanocomposites**
YILDIRIM Y., ORAL A.
RADIATION PHYSICS AND CHEMISTRY, vol.96, pp.69-74, 2014 (Journal Indexed in SCI)
- **Synthesis, Characterization, and Thermokinetic Analysis of New Epoxy Sugar Derivative**
ERISKIN S. Y. , TELLİ F., YILDIRIM Y., SALMAN Y.
JOURNAL OF CHEMISTRY, 2014 (Journal Indexed in SCI)
- **Influence of gamma-Ray Irradiation on the Thermal Stability and Conductivity of Polyfuran**
Yıldırım Y.
ASIAN JOURNAL OF CHEMISTRY, vol.25, pp.7582-7586, 2013 (Journal Indexed in SCI)
- **Comparative copolymerization of allyl glycidyl ether with styrene using radiation and chemical initiation methods**
YILDIRIM Y., BALCAN M.
IRANIAN POLYMER JOURNAL, vol.22, pp.1-7, 2013 (Journal Indexed in SCI)
- **Synthesis, characterization, and thermal degradation kinetic of polystyrene-g-polycaprolactone**
YILDIRIM Y., DOGAN B., MUĞLALI S., Saltan F., OZKAN M., AKAT H.
JOURNAL OF APPLIED POLYMER SCIENCE, vol.126, pp.1236-1246, 2012 (Journal Indexed in SCI)
- **A novel HEMA-derived monomer and copolymers containing side-chain thiophene units: Synthesis, characterization and thermal degradation kinetics**
CEKINGEN S. K. , Saltan F., YILDIRIM Y., AKAT H.
THERMOCHIMICA ACTA, vol.546, pp.87-93, 2012 (Journal Indexed in SCI)
- **Low energy electron induced dissociation in condensed diallyl disulfide**
YILDIRIM Y., BALCAN M., KINAL A., BASS A. D. , CLOUTIER P., SANCHE L.
EUROPEAN PHYSICAL JOURNAL D, vol.66, 2012 (Journal Indexed in SCI)
- **Radiation induced copolymerization reactivity of different allyl monomers with styrene**
YILDIRIM Y., BALCAN M.
RADIATION PHYSICS AND CHEMISTRY, vol.81, pp.840-845, 2012 (Journal Indexed in SCI)
- **Electron stimulated desorption of anions and cations from condensed allyl glycidyl ether**

YILDIRIM Y., BALCAN M., BASS A. D. , CLOUTIER P., SANCHE L.

PHYSICAL CHEMISTRY CHEMICAL PHYSICS, vol.12, pp.7950-7958, 2010 (Journal Indexed in SCI)

- **Metabolic comparison of radiolabeled aniline- and phenol-phthaleins with ¹³¹I**

AVCIBASI U., AVCIBAŞI N., UENAK T., UENAK P., MUEFTUELER F. Z. , YILDIRIM Y., DİNÇALP H., GUEMUESER F. G. , DURSUN E. R.

NUCLEAR MEDICINE AND BIOLOGY, vol.35, pp.481-492, 2008 (Journal Indexed in SCI)

- **Biological investigation of I-¹³¹-labeled new water soluble Ru(II) polypyridyl complex**

Ocakoglu K., Yildirim Y., Lambrecht F., Ocal J., Icli S.

APPLIED RADIATION AND ISOTOPES, vol.66, pp.115-121, 2008 (Journal Indexed in SCI)

- **Biological distribution of iodo-allyl gabapentin and iodo-gabapentin**

Akat H., Yildirim Y., Lambrecht F., Yilmaz O., Balcan M., Duman Y.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.275, pp.387-393, 2008 (Journal Indexed in SCI)

- **Comparison of the radiopharmaceutical potentials of dithizone radiolabeled with I-¹³¹ and with Tc-^{99m}**

UENAK T., YILDIRIM Y., AVCIBASI U., BIBER Z., DUMAN Y., UENAK P.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.273, pp.767-770, 2007 (Journal Indexed in SCI)

- **Preliminary tests of the radiopharmaceutical potential of N-(2,6-diisopropylphenyl)-N'-(4-pyridyl)-perylene-3,4,9,10-tetracarboxylic diimide radiolabeled with I-¹³¹**

AVCIBAŞI U., DİNÇALP H., UENAK T., YILDIRIM Y., AVCIBASI N., DUMAN Y., İÇLİ S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.273, pp.669-675, 2007 (Journal Indexed in SCI)

- **Study of the effect of uranium and thorium on the growing of pepper (*Capsicum annum var. longum*) and cucumber (*Cucumis sativus*) plants**

UENAK T., YILDIRIM Y., TOKUCU G., UENAK G., OECAL J., KONYALID., KILIC S.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.273, pp.763-766, 2007 (Journal Indexed in SCI)

- **Labeling of acetaminophen with I-¹³¹ and biodistribution in rats**

Lambrecht F., Durkan K., YILDIRIM Y., ACAR C.

CHEMICAL & PHARMACEUTICAL BULLETIN, vol.54, pp.245-247, 2006 (Journal Indexed in SCI)

- **A radioanalytical technique for measurement of beta-glucuronidase activities**

UNAK T., AVCIBASI U., YILDIRIM Y.

JOURNAL OF RADIOANALYTICAL AND NUCLEAR CHEMISTRY, vol.266, pp.503-506, 2005 (Journal Indexed in SCI)

- **Transfer of orally administrated iodine-¹³¹ into chicken eggs**

UNAK T., YILDIRIM Y., AVCIBASI U., CETINKAYA B., UNAK G.

APPLIED RADIATION AND ISOTOPES, vol.58, pp.299-307, 2003 (Journal Indexed in SCI)

- **Radioiodination and preliminary biological tests of aniline-mustard and its glucuronide conjugate as a potential anticancer prodrug**

UNAK T., AKGUN Z. E. , DUMAN Y., YILDIRIM Y., AVCIBASI U., CETINKAYA B.

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- **Attempts to develop a new nuclear measurement technique of beta-glucuronidase levels in biological samples**

UNAK T., AVCIBASI U., YILDIRIM Y., CETINKAYA B.

CZECHOSLOVAK JOURNAL OF PHYSICS, vol.53, 2003 (Journal Indexed in SCI)

- **Self-radioiodination of iodogen**

UNAK T., AKGUN Z. E. , YILDIRIM Y., DUMAN Y., ERENEL G.

APPLIED RADIATION AND ISOTOPES, vol.54, pp.749-752, 2001 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Characterization and Determination of Critical Micelle Concentration of Cisplatin Containing Lipid Based**

Systems

Akartas İ., YILDIRIM Y., KARASULU H. Y.

Chronicles of Pharmaceutical Science, vol.6, pp.705-709, 2018 (Refereed Journals of Other Institutions)

- **The Synthesis of Allyl Glycidyl Ether Copolymers and Their Thermokinetic Analysis**

Yıldırım Y.

Anadolu University Journal of Science and Technology-A Applied Sciences and Engineering, vol.17, pp.377-389, 2016 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- **Targeted Nanoparticles And The Cell Spectra (ftir)**

GÜLER G., İNCE İ., MEDİNE E. İ. , YILDIRIM Y.

14th NANOSCIENCE AND NANOTECHNOLOGY CONFERENCE, İzmir, Turkey, 22 October 2018, pp.201

- **CONVERSION OF SEaweEDS INTO HYDROCHARS**

KANTARLI İ. C. , Pala M., YILDIRIM Y., YANIK J.

7th Global Conference on Global Warming (GCGW-2018), İzmir, Turkey, 24 June 2018, pp.36-40

- **Determination of Critical Micelle Concentration of Lipid Based Systems with Cisplatin**

AKARTAŞ İ., YILDIRIM Y., AK G., KARASULU E., ŞANLIER Ş., KARASULU H. Y.

2nd International Gazi Pharma Symposium Series (GPSS-2017), 11 - 13 October 2017

- **Thermokinetic Analysis of the Novel Biodegradable α -Chloralose Based Styrene co-Polymer**

ÇETİN TELLİ f., SALMAN A. Y. , YILDIRIM Y.

The International (ISCMP) Joint Science Congress of Materials and Polymers, 25 - 28 August 2017, pp.21

- **Investigation of gamma-radiation effect on POSS/Polycaprolactone Graphene composite**

SALTAN F., YILDIRIM Y., AKAT H.

ISCMP 2017, 25 - 28 August 2017

- **In Vivo Evaluation Of Magnetic Targeted And Ultrasound Mediated Nanobubble System For Iv Injection And/Or Inhaler Application For Use In Lung Cancer Treatment In Tumor-Bearing Mice**

ŞANLIER Ş., AK G., ÜNAL A., BOZKAYA Ü. F. , YILMAZ H., YILDIRIM Y., BAKAN b., KARABAY YAVAŞOĞLU N. Ü. , OLTULU F., YAVAŞOĞLU A.

2nd Japan – Turkey International Symposium on Pharmaceutical and Biomedical Sciences (JATUSPAB-2), Trabzon, Turkey, 11 - 12 September 2017

- **Development of Gentamicin Loaded Magnetic Nanoparticles For Osteomyelitis Treatment and In Vivo Evaluation In Rats**

BOZKAYA Ü. F. , AK G., SARI ö., BİLGİN i., ÇOKDOĞAN i., YANIK b., YILMAZ H., YILDIRIM Y., ŞANLIER Ş.

2nd Japan – Turkey International Symposium on Pharmaceutical and Biomedical Sciences (JATUSPAB-2), Trabzon, Turkey, 11 - 12 September 2017

- **Investigation of chemoprevention properties of Halopteris scoparia Brown algae by using in vivo bioluminescent imaging**

ERDOKUR Ö., GÜNER A., KARABAY YAVAŞOĞLU N. Ü. , YILDIRIM Y.

7th European Biosimilars Congress, 15 - 16 May 2017

- **Development of LHRH receptor targeted polymeric micelle system as a cisplatin nanocarrier for ovarian cancer treatment**

AK G., KARASULU H. Y. , AKARTAŞ İ., YILDIRIM Y., KARASULU E., ŞANLIER Ş.

3rd International Conference on Engineering and Natural Science, ICENS, 3 - 07 May 2017

- **In Vivo Evaluation of Ultrasound-Mediated and Magnetic Targeted Nanobubble Formulations for Lung Cancer Treatment in Tumor-Bearing Mice**

ŞANLIER Ş., AK G., BOZKAYA Ü. F. , ÜNAL A., YILDIRIM Y., YILMAZ H., BOYACIOĞLU H., TANIYAN G.

3rd International Conference on Engineering and Natural Science, ICENS, Hungary, 3 - 07 May 2017

- **Synthesis of dual drug and peptide decorated magnetic nanoparticles to address lung cancer**

YILDIRIM Y., YILMAZ H., AK G., AKGÜN C., ŞANLIER Ş.

European Pharma Congress, 25 - 27 August 2015

- **Texas Red İşaretli Cisplatin İçeren Manyetik Nanopartiküllerin Sıçanlarda IVIS Spect ile Görüntülenmesi**

Çalışmaları

YILMAZ H., AK G., YILDIRIM Y., ŞANLIER Ş.

2. İlaç Kimyası, Üretimi, Teknolojisi ve Standardizasyonu Kongresi, Antalya, Turkey, 21 March 2014, pp.5

• POLİSTİREN G POLİKAPROLAKTONUN TERMAL BOZUNMA KİNETİĞİ.

Akat H., Saltan F., Yıldırım Y.

4. ULUSAL POLİMER BİLİM VE TEKNOLOJİ KONGRESİ, Çanakkale, Turkey, 5 - 08 September 2012, pp.1

• Test of the radiopharmaceutical potentials of aniline and phenol-phthaleins radiolabeled with I131

AVCIBAŞI U., AVCIBASIN., ÜNAK T., ÜNAK P., BİBER MÜFTÜLER F. Z. , YILDIRIM Y., GUMUSER F. G. , SAYIT BİLGİN E.

2nd-INCC, Cancun, Mexico, 13 April 2008, pp.2

• DOYMAMIŞ DİOL İÇEREN POLİESTER SENTEZİ VE KARAKTERİZASYONU.

Akat H., Balcan M., Yıldırım Y.

XIX. ULUSAL KİMYA KONGRESİ, İzmir, Turkey, 30 September - 04 October 2005, pp.1

• Comparison of the Radiopharmaceutical Potentials of Radiolabeled Dithiozone with 131I and with 99mTc

ÜNAK T., YILDIRIM Y., UĞUR A., DUMAN Y., BİBER MÜFTÜLER F. Z. , ÜNAK P.

1st-INCC, 1st International Nuclear Chemistry Congress, Aydın, Turkey, 22 May 2005, pp.379

• Radiolabeling of acetaminophen with I-131 and biodistribution studies in rats

YURT LAMBRECHT F., DURKAN K., Yıldırım Y., İÇHEDEF Ç.

International Congress of Radiopharmacy & Radiopharmaceutical Chemistry, İstanbul, Turkey, 25 September 2004, pp.248

• Beta glucuronidase measurements in some biological tissues using a new nuclear technique

ÜNAK T., AVCIBAŞI U., YILDIRIM Y., ÇETİNKAYA B.

32nd Annual Meeting of the European Society for Radiation Biology (ESRB), 4 - 09 September 2002

• Investigation of various parameters of measurement of glucuronidase enzyme in different tissues

AVCIBAŞI U., YILDIRIM Y., ÇETİNKAYA B., ÜNAK T.

1st Aegean Physical Chemistry Days, 5 - 07 June 2002

• Orally administrated iodine radioactivity measurements in chicken eggs

ÜNAK T., YILDIRIM Y., AVCIBAŞI U., ÇETİNKAYA B., ÜNAK G.

International Youth Nuclear Congress IYNC2002, 16 - 20 April 2002

• A new nuclear measurement technique of glucuronidase levels in biological samples

ÜNAK T., AVCIBAŞI U., YILDIRIM Y., ÇETİNKAYA B.

14th Radiochemical Conference, 14 - 19 April 2002

• Future perspective thorium based nuclear fuels and thorium potential of Turkey

ÜNAK T., YILDIRIM Y.

International Youth Nuclear Congress 2000, 9 - 14 April 2000

Supported Projects

YILDIRIM Y., TÜBİTAK Project, Prostat Kanseri Tedavisi İçin Yeni Nesil Sentetik Ajanların Geliştirilmesi, 2016 - Continues
Boyacıoğlu H., Şanlıer Ş., Ak G., Erbayraktar Z., Karabay Yavaşoğlu N. Ü. , Erbayraktar R. S. , Selvi Günel N., Karasulu H. Y. , Yıldırım Y., TÜBİTAK Project, Glioblastoma Tedavisine Yönelik Katı Lipid Taşıyıcılar ile Nanoteknolojik Yeni Bir Yaklaşım, 2017 - 2020

YILDIRIM Y., Project Supported by Higher Education Institutions, HALOPTERİS SCOPARIA ALG TÜRÜNÜN OVER KANSERİ TEDAVİSİNDE KULLANILABİLİRLİĞİNİN ARAŞTIRILMASI, 2015 - 2017

Şanlıer Ş., Ak G., Nalbantsoy A., Kınal A., Oltulu F., Yıldırım Y., Boyacıoğlu H., TÜBİTAK Project, Akciğer Kanseri Kullandık Üzere iv Enjeksiyon ve veya İnhaler Uygulamaya Yönelik Manyetik ve Ultrases Hedefli İlaç Taşıyıcı Sisteminin Geliştirilmesi ve İn vitro İn vivo Ex vivo Araştırmaları, 2014 - 2017

YILDIRIM Y., Project Supported by Higher Education Institutions, POLİLAKTİKASİT-ZEOLİTE NANOKOMPOZİT MALZEMESİNİN MOLEKÜLER AĞIRLI VE TERMAL ÖZELLİKLERİNE GAMMA RADYASYONUNUN ETKİSİNİN İNCELENMESİ, 2014 - 2017

Ak G., Şanlıer Ş., Yıldırım Y., Project Supported by Higher Education Institutions, Osteomiyelit Tedavisinde Nanoboyutlu Antibiyoterapi, 2014 - 2017

YILDIRIM Y., Project Supported by Higher Education Institutions, POLİFURANIN TERMAL NÖTRANLARLA VE GAMMA

Citations

Total Citations (WOS):232

h-index (WOS):8

Awards

YILDIRIM Y., Sythesis of dual drug and peptide decorated magnetic nanoparticles to address lung cancer, European Pharma Congress, August 2015

YILDIRIM Y., Future perspective thorium based nuclear fuels and thorium potential of Turkey, International Youht Nuclear Congress, YNC 2000, April 2000