

Prof. Dr. URAL AKBULUT

Kişisel Bilgiler

E-posta: akbulut@metu.edu.tr

Web: <https://avesis.metu.edu.tr/akbulut>

Yönetilen Tezler

- TOPPARE L. K., AKBULUT U., Immobilization of saccharomyces cerevisiae in graft copolymers of pyrrole, Yüksek Lisans, Z.BALCI(Öğrenci), 2001
- AKBULUT U., Electrochemically prepared conducting polymer grafts of pyrrole, Doktora, N.BALCI(Öğrenci), 1997
- AKBULUT U., Electrochemically prepared conducting polymer grafts of pyrrole, Doktora, N.Balci(Öğrenci), 1997
- AKBULUT U., Conducting polymer blends of polythiophene, Doktora, S.YİĞİT(Öğrenci), 1996
- TOPPARE L. K., AKBULUT U., Electrochemically obtained insulating and conducting polymers and composites of acrylonitrile, Doktora, B.YURTTAŞ(Öğrenci), 1996
- AKBULUT U., Conduction polymer blends of polythiophene, Doktora, S.YİĞİT(Öğrenci), 1996
- TOPPARE L. K., AKBULUT U., Synthesis of polythiophene conducting polymer composites, Yüksek Lisans, F.VATANSEVER(Öğrenci), 1995
- AKBULUT U., Immobilization of invertase and a-amylase using different support systems by chemical crosslinking, Yüksek Lisans, E.Emregül(Aysu)(Öğrenci), 1993
- AKBULUT U., Immobilization of invertase and alpha-amylase using different support systems, Yüksek Lisans, E.(AYSU)(Öğrenci), 1993
- AKBULUT U., Isolation and immobilization of NADH-cytochrome b5 reductase from rabbit liver, Yüksek Lisans, Ö.ESEN(Öğrenci), 1992
- AKBULUT U., Conductivity and kinetic studies in the electroinitiated polymerization of N-vinylcarbazole, Yüksek Lisans, H.ELİBOL(Öğrenci), 1991
- AKBULUT U., Electrochemical synthesis of conducting polyaniline blends and their use as sensors, Yüksek Lisans, S.DOĞAN(Öğrenci), 1991
- AKBULUT U., Immobilization of alfa-amylase into photographic gelatin by chemical cross-linking, Yüksek Lisans, Z.BAYRAMOĞLU(Öğrenci), 1990
- AKBULUT U., Immobilization of a-amylase into photographic gelatin by chemical cross-linking, Yüksek Lisans, Z.Bayramoğlu(Öğrenci), 1990
- AKBULUT U., Electroinitiated polymerization of butadiene sulfone, Yüksek Lisans, S.PINAR(Öğrenci), 1989
- AKBULUT U., Electroinitiated copolymerization of indene with isoprene and b-methoxystyrene, Doktora, A.Khurshid(Öğrenci), 1988
- AKBULUT U., Electroinitiated copolymerization of indene with isoprene and B-methoxystyrere, Doktora, K.ALİ(Öğrenci), 1988
- AKBULUT U., Electroinitated cationic homo and copolymerization of indene, styrene and some styrene derivations, Doktora, S.Eren(Öğrenci), 1984
- AKBULUT U., The cathodic cleavage of aryl tetrazole ethers., Doktora, L.K(Öğrenci), 1982

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. **Multi-authoring and its impact on university rankings: a case study of CERN effect on Turkish universities**

ÇAKIR M. P., ACARTÜRK C., Alkan S., Akbulut U.

STUDIES IN HIGHER EDUCATION, cilt.44, sa.6, ss.1052-1068, 2019 (SSCI)

- II. **URAP-TR: a national ranking for Turkish universities based on academic performance**
Alasehir O., ÇAKIR M. P., ACARTÜRK C., BAYKAL N., AKBULUT U.
SCIENTOMETRICS, cilt.101, sa.1, ss.159-178, 2014 (SCI-Expanded)
- III. **The conductive polyaniline/poly(ethylene terephthalate) composite fabrics**
Kutunis S., Karakisla M., Akbulut U., Sacak M.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, cilt.38, sa.2, ss.609-614, 2007 (SCI-Expanded)
- IV. **Polyacrylamide-gelatine carrier system used for invertase immobilization**
Emregul E., Sungur S., Akbulut U.
FOOD CHEMISTRY, cilt.97, sa.4, ss.591-597, 2006 (SCI-Expanded)
- V. **Immobilization of glucose oxidase onto gelatin for biosensor construction**
Emregul E., Sungur S., Akbulut U.
JOURNAL OF BIOMATERIALS SCIENCE-POLYMER EDITION, cilt.16, sa.4, ss.505-519, 2005 (SCI-Expanded)
- VI. **Immobilization of yeast cells in several conducting polymer matrices**
Balci Z., Akbulut U., Toppare L., Alkan S., Bakir U., Yagci Y.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, cilt.39, sa.3, ss.183-197, 2002 (SCI-Expanded)
- VII. **Immobilization of invertase in conducting polypyrrole polytetrahydrofuran graft polymer matrices**
Kizilyar N., Akbulut U., Toppare L., Ozden M., Yagci Y.
SYNTHETIC METALS, cilt.104, sa.1, ss.45-50, 1999 (SCI-Expanded)
- VIII. **Conducting polymer composites of polypyrrole and a poly(arylene ether ketone)**
Selampinar F., Akbulut U., Toppare L.
POLYMER-PLASTICS TECHNOLOGY AND ENGINEERING, cilt.37, sa.3, ss.295-302, 1998 (SCI-Expanded)
- IX. **Electrically conductive polymer grafts prepared by electrochemical polymerization of pyrrole onto poly[(methyl methacrylate)-co-(2-(N-pyrrolyl) ethyl methacrylate)] electrodes**
Balci N., Akbulut U., Toppare L., Stanke D., Hallensleben M.
TURKISH JOURNAL OF CHEMISTRY, cilt.22, sa.1, ss.73-80, 1998 (SCI-Expanded)
- X. **Electrochemically obtained insulating and conducting polymers and composites of acrylonitrile**
Yilmaz B., Akbulut U., Toppare L.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, sa.2, ss.261-291, 1998 (SCI-Expanded)
- XI. **Polypyrrole grafts synthesized via electrochemical polymerization**
Balci N., Toppare L., Akbulut U., Stanke D., Hallensleben M.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, sa.10, ss.1727-1739, 1998 (SCI-Expanded)
- XII. **Spontaneous copolymerization of maleic anhydride and N-vinylimidazole in 1,4-dioxane .1. Charge transfer complexation and kinetics of the copolymerization**
Goksel C., Hacıoglu B., Akbulut U.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.35, sa.17, ss.3735-3743, 1997 (SCI-Expanded)
- XIII. **Synthesis of a hexafluoropropylidene-bis(phthalic anhydride)-based polyimide and its conducting polymer composites with polypyrrole**
Selampinar F., Akbulut U., Yilmaz T., Gungor A., Toppare L.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.35, sa.14, ss.3009-3016, 1997 (SCI-Expanded)
- XIV. **Polypyrrole grafts with poly[(methyl methacrylate)-co-(2-(N-pyrrolyl) ethyl methacrylate)]**
Balci N., Akbulut U., Toppare L., Stanke D., Hallensleben M.
MATERIALS RESEARCH BULLETIN, cilt.32, sa.10, ss.1449-1458, 1997 (SCI-Expanded)
- XV. **Immobilization of invertase in conducting polymer matrices**
Selampinar F., Akbulut U., Ozden M., Toppare L.
BIOMATERIALS, cilt.18, sa.17, ss.1163-1168, 1997 (SCI-Expanded)
- XVI. **Synthesis of a novel poly(arylene ether ketone) and its conducting composites with polypyrrole**

- Selampinar F., Akbulut U., Yildiz E., Gungor A., Toppare L.
SYNTHETIC METALS, cilt.89, sa.2, ss.111-117, 1997 (SCI-Expanded)
- XVII. **Conducting polymer composites of polypyrrole and polyimide**
Selampinar F., Akbulut U., Toppare L.
SYNTHETIC METALS, cilt.84, ss.185-186, 1997 (SCI-Expanded)
- XVIII. **A pyrolysis mass spectrometry study of polythiophene - Natural rubber and polythiophene - Synthetic rubber conducting polymer composites**
Yigit S., HACALOĞLU J., AKBULUT U., Toppare L.
Synthetic Metals, cilt.84, ss.205-206, 1997 (SCI-Expanded)
- XIX. **Thermal degradation of polythiophene-natural rubber and polythiophene-synthetic rubber conducting polymer composites**
HACALOĞLU J., Yiğit S., AKBULUT U., Toppare L.
Polymer, cilt.38, sa.20, ss.5119-5124, 1997 (SCI-Expanded)
- XX. **Conducting polymer composites of polypyrrole and polyindene**
Bozkurt A., Akbulut U., Toppare L.
SYNTHETIC METALS, cilt.82, sa.1, ss.41-46, 1996 (SCI-Expanded)
- XXI. **Conducting composites of polypyrrole with polytetramethylbisphenol A carbonate**
Kalaycioglu E., Akbulut U., Toppare L.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.61, sa.7, ss.1067-1075, 1996 (SCI-Expanded)
- XXII. **Effect of chromium salts on invertase immobilization onto carboxymethylcellulose-gelatine carrier system**
Emregul E., Sungur S., Akbulut U.
BIOMATERIALS, cilt.17, sa.14, ss.1423-1427, 1996 (SCI-Expanded)
- XXIII. **Conducting polymer composites of polythiophene with natural and synthetic rubbers**
Yigit S., HACALOĞLU J., AKBULUT U., Toppare L.
Synthetic Metals, cilt.79, sa.1, ss.11-16, 1996 (SCI-Expanded)
- XXIV. **Conductive polyaniline poly(methyl methacrylate) films obtained by electropolymerization**
Karakisla M., Sacak M., Akbulut U.
JOURNAL OF APPLIED POLYMER SCIENCE, cilt.59, sa.9, ss.1347-1354, 1996 (SCI-Expanded)
- XXV. **A pyrolysis mass spectrometry study of polythiophene-polyamide composites**
Vatansever F., AKBULUT U., TOPPARE L. K., HACALOĞLU J.
Polymer, cilt.37, sa.7, ss.1103-1107, 1996 (SCI-Expanded)
- XXVI. **A conducting composite of polythiophene: Synthesis and characterization**
Vatansever F., Hacıoğlu J., Akbulut U., Toppare L.
Polymer International, cilt.41, sa.3, ss.237-244, 1996 (SCI-Expanded)
- XXVII. **STABILITY AND STORAGE-CONDITIONS OF NADH-CYTOCHROME B5 REDUCTASE CROSS-LINKED INTO GELATIN BY CHROMIUM(III) ACETATE**
YILDIRIM O., AKBULUT U., ARINC E., SUNGUR S.
BIOMATERIALS, cilt.15, sa.8, ss.587-592, 1994 (SCI-Expanded)
- XXVIII. **RELATIONSHIP BETWEEN CATHODIC PEAK POTENTIALS AND THEORETICALLY CALCULATED LUMO ENERGIES OF SOME 2-PHENYL BENZOXAZOLE DERIVATIVES**
GULLU M., YALCIN I., SENER E., TURKER L., CELEBI N., AKBULUT U.
BULLETIN DES SOCIETES CHIMIQUES BELGES, cilt.103, sa.3, ss.87-90, 1994 (SCI-Expanded)
- XXIX. **IMMOBILIZATION OF BETA-GALACTOSIDASE ONTO GELATIN BY GLUTARALDEHYDE AND CHROMIUM(III) ACETATE**
SUNGUR S., AKBULUT U.
JOURNAL OF CHEMICAL TECHNOLOGY AND BIOTECHNOLOGY, cilt.59, sa.3, ss.303-306, 1994 (SCI-Expanded)
- XXX. **A CONDUCTING COMPOSITE OF POLYPYRROLE .1. SYNTHESIS AND CHARACTERIZATION**
SELAMPINAR F., AKBULUT U., YALCIN T., SUZER S., TOPPARE L.
SYNTHETIC METALS, cilt.62, sa.3, ss.201-206, 1994 (SCI-Expanded)
- XXXI. **IMMOBILIZATION OF NADH-CYTOCHROME B5 REDUCTASE INTO GELATIN BY CROSS-LINKING**

- YILDIRIM O., AKBULUT U., ARINC E., SUNGUR S.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, ss.19-28, 1994 (SCI-Expanded)
- XXXII. **KINETIC-STUDIES IN THE ELECTROINITIATED POLYMERIZATION OF N-VINYLCARBAZOLE AND RELATED CONDUCTING POLYMER COMPOSITES**
ELIBOL H., HACIOGLU B., AKBULUT U., TOPPARE L.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, sa.5, ss.593-611, 1994 (SCI-Expanded)
- XXXIII. **CONDUCTING POLYMERS OF ANILINE .2. A COMPOSITE AS A GAS SENSOR**
DOGAN S., AKBULUT U., YALCIN T., SUZER S., TOPPARE L.
SYNTHETIC METALS, cilt.60, sa.1, ss.27-30, 1993 (SCI-Expanded)
- XXXIV. **COMBINED IR AND MASS-SPECTROMETRIC ANALYSIS OF EVOLVED GASES DURING PYROLYSIS OF POLYMERS**
YALCIN T., AKBULUT U., SUZER S.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, ss.55-59, 1993 (SCI-Expanded)
- XXXV. **GLUCOSE-OXIDASE IMMOBILIZED ON GELATIN BY VARIOUS CROSS-LINKERS**
ELCIN Y., SUNGUR S., AKBULUT U.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, ss.137-147, 1993 (SCI-Expanded)
- XXXVI. **CONDUCTING POLYMERS OF ANILINE .1. ELECTROCHEMICAL SYNTHESIS OF A CONDUCTING COMPOSITE**
DOGAN S., AKBULUT U., TOPPARE L.
SYNTHETIC METALS, cilt.53, sa.1, ss.29-35, 1992 (SCI-Expanded)
- XXXVII. **IMMOBILIZATION OF ALPHA-AMYLASE INTO GELATIN FILMS WITH VARIOUS CROSS-LINKERS**
BAYRAMOGLU Z., AKBULUT U., SUNGUR S.
BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, cilt.2, sa.5, ss.427-432, 1992 (SCI-Expanded)
- XXXVIII. **STUDIES ON IMMOBILIZATION OF UREASE IN GELATIN BY CROSS-LINKING**
SUNGUR S., ELCIN Y., AKBULUT U.
BIOMATERIALS, cilt.13, sa.11, ss.795-800, 1992 (SCI-Expanded)
- XXXIX. **IMMOBILIZATION OF UREASE INTO CARBOXYMETHYLCELLULOSE - GELATIN SYSTEM**
SUNGUR S., ELCIN Y., AKBULUT U.
JOURNAL OF MACROMOLECULAR SCIENCE-PURE AND APPLIED CHEMISTRY, cilt.29, ss.251-265, 1992 (SCI-Expanded)
- XL. **POLYESTER FILM STRIPS COATED WITH PHOTOGRAPHIC GELATIN CONTAINING IMMOBILIZED GLUCOSE-OXIDASE HARDENED BY CHROMIUM(III) SULFATE**
ELCIN Y., AKBULUT U.
BIOMATERIALS, cilt.13, sa.3, ss.156-161, 1992 (SCI-Expanded)
- XLI. **IMMOBILIZATION OF ALPHA-AMYLASE INTO PHOTOGRAPHIC GELATIN BY CHEMICAL CROSS-LINKING**
BAYRAMOGLU Z., AKBULUT U., SUNGUR S.
BIOMATERIALS, cilt.13, sa.10, ss.704-708, 1992 (SCI-Expanded)
- XLII. **ELECTROINITIATED POLYMERIZATION OF BUTADIENE SULFONE**
AYBAR S., HACIOGLU B., AKBULUT U.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.29, sa.13, ss.1971-1976, 1991 (SCI-Expanded)
- XLIII. **ELECTROINITIATED POLYMERIZATION OF MALEIC-ANHYDRIDE BY DIRECT ELECTRON-TRANSFER**
AKBULUT U., HACIOGLU B.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.29, sa.2, ss.219-224, 1991 (SCI-Expanded)
- XLIV. **CHARACTERIZATION OF ELECTROINITIATED AND RADIATION POLYMERIZED POLY(BUTADIENE SULFONE)**
HACIOGLU B., SUZER S., AKBULUT U., TOPPARE L., AYBAR P., UTLEY J.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, ss.329-345, 1991 (SCI-Expanded)
- XLV. **POLYMERIZATION OF MALEIC-ANHYDRIDE INITIATED BY IMIDAZOLE**
HACIOGLU B., AKBULUT U.

- JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, ss.53-58, 1991 (SCI-Expanded)
- XLVI. **POLYESTER FILM STRIPS COATED WITH PHOTOGRAPHIC GELATIN CONTAINING IMMOBILIZED INVERTASE**
AKBULUT U., SUNGUR S., PEKYARDIMCI S.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, ss.239-247, 1991 (SCI-Expanded)
- XLVII. **ELECTROINITIATED COPOLYMERIZATION OF INDENE WITH BETA-METHOXYSTYRENE**
AKBULUT U., KHURSHID A., HACIOGLU B., TOPPARE L.
POLYMER, cilt.31, sa.7, ss.1343-1346, 1990 (SCI-Expanded)
- XLVIII. **ELECTRO-INITIATED POLYMERIZATION OF BIS-(2,4,6-TRIBROMOPHENOXY) ETHYLENEDIAMINE COPPER(II) COMPLEX IN DMF AND ITS KINETIC-STUDY BY CYCLIC VOLTAMMETRY**
TOPPARE L., TUKER L., YIGIT S., KISAKUREK D., AKBULUT U.
EUROPEAN POLYMER JOURNAL, cilt.26, sa.3, ss.255-259, 1990 (SCI-Expanded)
- XLIX. **ELECTROINITIATED POLYMERIZATION OF BIS(TRIBROMOPHENOXY)-N,N',N'-TETRAMETHYLETHYLENEDIAMINE COPPER(II) COMPLEX**
AKBULUT U., SACAK M., KISAKUREK D., TOPPARE L.
BRITISH POLYMER JOURNAL, cilt.22, sa.1, ss.65-71, 1990 (SCI-Expanded)
- L. **ELECTROINITIATED POLYMERIZATION OF N-VINYLCARBAZOLE BY DIRECT ELECTRON-TRANSFER**
SACAK M., AKBULUT U., HACIOGLU B.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, sa.8, ss.1041-1052, 1990 (SCI-Expanded)
- LI. **ELECTROINITIATED POLYMERIZATION OF ACRYLAMIDE BY DIRECT AND INDIRECT ELECTRON-TRANSFER VIA CONTROLLED POTENTIAL ELECTROLYSIS**
TOPPARE L., HACIOGLU B., AKBULUT U.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, sa.3, ss.317-330, 1990 (SCI-Expanded)
- LII. **ELECTROINITIATED POLYMERIZATION OF ACRYLAMIDE BY DIRECT ELECTRON-TRANSFER**
HACIOGLU B., AKBULUT U., TOPPARE L.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.27, sa.11, ss.3875-3880, 1989 (SCI-Expanded)
- LIII. **ELECTROINITIATED POLYMERIZATION OF BIS(4-BROMO-2,6-DICHLOROPHENOXY)N,N',N'-TETRAMETHYLETHYLENEDIAMINE COPPER(II) COMPLEX**
SACAK M., AKBULUT U., KISAKUREK D., TOPPARE L.
POLYMER, cilt.30, sa.5, ss.928-932, 1989 (SCI-Expanded)
- LIV. **ELECTROINITIATED POLYMERIZATION OF BIS(TRICHLOROPHENOXY)-TETRAMETHYLETHYLENE DIAMINE COPPER(II)**
SACAK M., AKBULUT U., KISAKUREK D., TURKER L., TOPPARE L.
JOURNAL OF POLYMER SCIENCE PART A-POLYMER CHEMISTRY, cilt.27, sa.5, ss.1599-1608, 1989 (SCI-Expanded)
- LV. **POLYMERIZATION OF BIS(TRICHLOROPHENOXY) ETHYLENEDIAMINE COPPER (II) COMPLEX BY ELECTRO-OXIDATION**
YIGIT S., KISAKUREK D., TURKER L., TOPPARE L., AKBULUT U.
POLYMER, cilt.30, sa.2, ss.348-352, 1989 (SCI-Expanded)
- LVI. **ELECTROINITIATED POLYMERIZATION OF THE BIS(2,6-DIBROMO-4-CHLOROPHENOXY)-N,N',N'-TETRAMETHYLETHYLENEDIAMINE COPPER (II) COMPLEX**
AKBULUT U., SACAK M., KISAKUREK D., TOPPARE L.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, sa.12, ss.1623-1635, 1989 (SCI-Expanded)
- LVII. **ELECTROINITIATED POLYMERIZATION OF HALOPHENOLS - ELECTROINITIATION POTENTIAL LUMO RELATIONS**
TURKER L., KISAKUREK D., SEN S., TOPPARE L., AKBULUT U.
JOURNAL OF POLYMER SCIENCE PART B-POLYMER PHYSICS, cilt.26, sa.12, ss.2485-2498, 1988 (SCI-Expanded)
- LVIII. **ELECTROINITIATED POLYMERIZATION OF ACRYLONITRILE**
YURTTAS B., TOPPARE L., AKBULUT U.
JOURNAL OF MACROMOLECULAR SCIENCE-CHEMISTRY, sa.2, ss.219-230, 1988 (SCI-Expanded)
- LIX. **ELECTROINITIATED COPOLYMERIZATION OF ISOPRENE WITH INDENE**
KHURSHID A., TOPPARE L., AKBULUT U.

POLYMER COMMUNICATIONS, cilt.28, sa.9, ss.269-271, 1987 (SCI-Expanded)

LX. ELECTROINITIATED CATIONIC COPOLYMERIZATION OF 4-BROMOSTYRENE AND ALPHA-METHYLSTYRENE IN THE PRESENCE OF ULTRASONIC VIBRATION

EREN S., TOPPARE L., AKBULUT U.

POLYMER COMMUNICATIONS, cilt.28, sa.1, ss.36-38, 1987 (SCI-Expanded)

LXI. The redox behaviour of square-planar trans-dicyanodihalogenoaurate(III) complexes in acetonitrile

HACALOĞLU J., Tunali N. K., AKBULUT U.

Journal of the Chemical Society, Dalton Transactions, sa.4, ss.715-717, 1984 (SCI-Expanded)

Metrikler

Yayın: 61

Atıf (WoS): 1099

Atıf (Scopus): 1020

H-İndeks (WoS): 18

H-İndeks (Scopus): 18

Akademi Dışı Deneyim

METU, Professor

METU, President of METU

Ankara University, Professor

METU, Associate Professor (Promotion)

METU, Associate Professor (Title)

METU, Assistant Professor

METU, Instructor/Reader

METU, Assistant