TURKISH CHEMISTS' SOCIETY

6th ANATOLIAN CONFERENCE on ORGANIC CHEMISTRY

GEBZE TECHNICAL UNIVERSITY

Atatürk Üniversitesi Atatürk University

09-11 FEBRUARY, 2026 | Belek / TÜRKİYE

CONFERENCE BOOKLET

ATABAY KİMYA SANAYİ ve TİCARET A.Ş.

EastPharma

DEVA

AKSUVİTAL

TETRA TEKNOLOJİK SİSTEMLER A.Ş.

Altium

Bioorganic & Medicinal Chemistry Reports

Organic Communications

ACG publications

ANT TEKNİK

Labo Teknoloji

hektaş

DORUK ANALİTİK

troyasil HPLC Column Technologies

MG INTERNATIONAL FRAGRANCE COMPANY

REDEEM SOLAR TECHNOLOGIES

SPRINGER NATURE

Çanta Sponsoru

ATABAY KİMYA SANAYİ ve TİCARET A.Ş.

https://anatolianorgchem.org

Organizing Committee

Prof. Kevin BROWN, University of Indiana, US

Chair

Prof. Frank GLORIUS, University of Muenster, DE

Vice Chair

Prof. Ramazan Altundas, GTU, TR

Executive Officer

İkram Cengiz

Chair of The Turkish Chemists` Society

Prof. Serdar BURMAOĞLU, Atatürk University, TR

Prof. Barış YÜCEL, ITU, TR

Assoc. Prof. Derya ANIL, Atatürk University, TR

Assoc. Prof. Çağatay DENGİZ, METU, TR

Assoc. Prof. Erkan ERTÜRK, TÜBİTAK, TR

Assoc. Prof. Yakup GÜNEŞ, Siirt University, TR

Assoc. Prof. Murat IŞIK, Bingöl University, TR

Assoc. Prof. Serdal KAYA, Necmettin Erbakan Uni. TR

Assoc. Prof. Safacan KOLEMEN, Koç University, TR

Assoc. Prof. İrem KULU, Gebze Technical University, TR

Assoc. Prof. Yunus Emre TURKMEN, METU, TR

Asst. Prof. İdris KARAKAYA, Gebze Technical University, TR

Adil KAYA, ATABAY Pharmaceuticals, TR

Scientific Committee

Prof. Fraser FLEMING, Drexel University, US

Prof. Paul KNOCHEL, Ludwig-Maximilians University, DE

Prof. Vittorio PACE, University of Rome ‘’La Sapienza’’, IT

Prof. Cihangir TANYELİ, METU, TR

Assoc. Prof. Erika BÁLINT, BME, HU

Asst. Prof. Ala BUNESCU, University of Bonn, DE

Asst. Prof. Junqi LI, Iowa State University, US

Asst. Prof. Adam NOBLE, University of Bristol, UK

Dr. Przemystaw GAWEŁ, Polish Academy of Sciences, PL

Dr. Daniel MULLER, University of Rennes, FR

Dr. Sebastien LEMAIRE, Johnson & Johnson, BE

SOT41	Halil İbrahim Gurbuz	*Evaluation of Antibacterial, Antifungal, and Biofilm Inhibition Activities of the Synthesized Thioamide Derivatives*
SOT42	Ilayda Ozturk	*Ibuprofen Analogues Derived from Photoredox-Catalyzed C-N Scission of Tertiary Amines: Anti-Inflammatory, Antimicrobial, and Antifungal Properties*
SOT43	Ilayda Ozturk	*Biological Evaluation of Synthesized Secondary Amines Derivatives: Antibacterial, Antifungal, and Biofilm Inhibition Activities*
SOT44	Aisha Suleymanova	*Research on biodiesel produced using heterogeneous catalysts*
SOT45	Günay Z. Heydarli	*Synthesis of Cycloalkylphenols and Their Carbonyl Derivatives Based on Cyclodimer of Isoprene*
SOT 46	Bedirhan Selen	*Design And Synthesis of Novel Fused Anthranil-Indole Derivatives*
SOT47	Volkan Dolgun	*Fullerenol as an Unconventional Acid Catalyst in Prins Cyclization Reactions*
SOT48	İbrahim Evren Kıbrız	*Use of Dapson Compound as a Reagent in the Preparation of Synthetic Urea/Thiourea Derivatives*
Poster Session		
P1	Yunus Emre Türkmen	*Brønsted Acid-Promoted Diaza-Nazarov Cyclization: An Umpolung Approach to Access Tetrasubstituted Pyrazoles*
P2	Remigiusz Sekuła	*Chiral-optically active compounds capable of aggregation*
P3	Jason Wu	*Expanding electrophile olefination via cross metathesis*
P4	Mattia Lepori	*Photocatalyzed Hydrogen Atom Transfer Enables Multicomponent Olefin Oxo-Amidomethylation Under Aerobic Conditions*
P5	Cevher Altuğ	*Green Hydrogenation of Nitroarenes Using DMAB over Copper-Substituted Mg–Zn Spinel Ferrite Nanocatalysts*
P6	Sophia Moreen Gloria	*A novel approach to the α-trifluoromethylation of amines*

Use of Dapson Compound as a Reagent in the Preparation of Synthetic Urea/Thiourea Derivatives

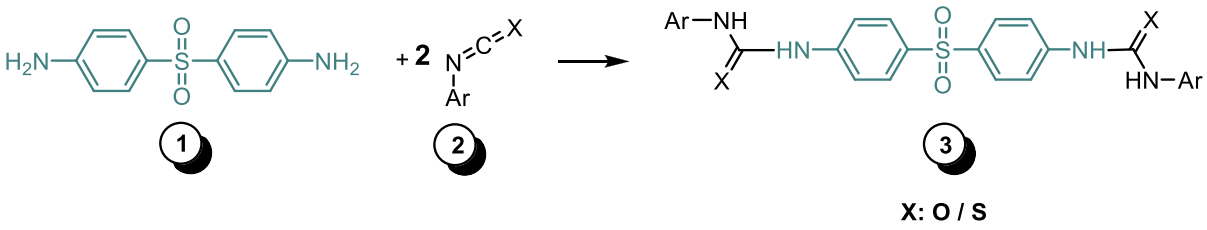
İbrahim Evren KIBRIZ, İrfan KOCA

Yozgat Bozok University, Department of Chemistry, Faculty of Arts and Sciences, Yozgat, 66100, Türkiye

E-Mail : ievren.kibriz@bozok.edu.tr

Dapson, also known as 4,4'-sulfonyldianiline (SDA) or diaminodiphenyl sulfone (DDS), is an antibiotic commonly used in combination with rifampicin and clofazimine in the treatment of leprosy. It is a second-line drug for the treatment and prevention of pneumocystis pneumonia and toxoplasmosis in immunocompromised individuals. It has also been used for acne, dermatitis herpetiformis, and various other skin conditions and is on the World Health Organization's List of Essential Medicines.

In our study,, reactions of the Dapson compound with various aromatic isocyanate/isothiocyanate compounds were carried out under appropriate solvent and temperature conditions. The resulting products were characterized by spectroscopic methods (FT-IR, ^{1}H-NMR, ^{13}C-NMR).



Acknowledgment: This study was supported financially by Yozgat Bozok University Project Coordination Application and Research Center (Project No.: FHD-2025-1727).

References :

1) Lee, J. H., Kanwar, B., Lee, C. J., Sergi, C., & Coleman, M. D. *IScience*. **2022**, *25*(5), 104274.
2) .Piette, Evan W. et al. *Dermatologic Clinics*, **2011**, *29*, 4, 561 – 564.