



## ARŞ. GÖRERHAT UĞURLAR

### Kişisel Bilgiler

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### Makaleler (YOKSIS)

- 1 5-Aminolevulinic Acid Induces Chromium [Cr(VI)] Tolerance in Tomatoes by Alleviating Oxidative Damage and Protecting Photosystem II: A Mechanistic Approach**  
KAYA CENGİZ, UĞURLAR FERHAT, ASHRAF MUHAMMAD, ALYEMENI MOHAMMED NASSER, MOUSTAKAS MICHEAL, AHMAD PARVAİZ, ALYEMENI MOHAMMED NASSER  
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- 2 Combined application of asparagine and thiourea improves tolerance to lead stress in wheat by modulating AsA-GSH cycle, lead detoxification and nitrogen metabolism**  
KAYA CENGİZ, UĞURLAR FERHAT, FAROOQ SHAHID, ASHRAF MUHAMMAD, ALYEMENI MOHAMMED NASSER, AHMAD PARVAİZ  
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- 3 Effect of biochar origin and soil pH on greenhouse gas emissions from sandy and clay soils**  
WU Dİ, ŞENBAYRAM MEHMET, ZANG HUADONG, UĞURLAR FERHAT, AYDEMİR SALİH, BRÜGGEMANN NICOLAS, KUZYAKOV YAKOV, BÖL ROLAND, BLAGODATSKAYA EVGENİA  
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- 4 Epigenetic and Hormonal Modulation in Plant-Plant Growth-Promoting Microorganism Symbiosis for Drought-Resilient Agriculture**  
KAYA CENGİZ, UĞURLAR FERHAT, ADAMAKIS IOANNIS-DIMOSTHENIS  
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- 5 Epigenetic Modifications of Hormonal Signaling Pathways in Plant Drought Response and Tolerance for Sustainable Food Security**  
KAYA CENGİZ, UĞURLAR FERHAT, Adamakis Ioannis-Dimosthenis  
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- 6 Exploring the synergistic effects of melatonin and salicylic acid in enhancing drought stress tolerance in tomato plants through fine-tuning oxidative-nitrosative processes and methylglyoxal metabolism**  
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- 6 Scientia Horticulturae,<http://dx.doi.org/10.1016/j.scienta.2023.112368>
- 7 **Glutathione-induced hydrogen sulfide enhances drought tolerance in sweet pepper (*Capsicum annuum* L.)**  
KAYA CENGİZ, UĞURLAR FERHAT  
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- 8 **Hydrogen Sulfide and 5-Aminolevulinic Acid Synergistically Enhance Drought Tolerance in Tomato (*Solanum lycopersicum* L.)**  
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- 9 **Melatonin and stress tolerance in horticultural crops: Insights into gene regulation, epigenetic modifications, and hormonal interplay**  
KAYA CENGİZ, UĞURLAR FERHAT  
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- 10 **Melatonin-mediated nitric oxide improves tolerance to cadmium toxicity by reducing oxidative stress in wheat plants**  
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- 11 **Methyl Jasmonate and Sodium Nitroprusside Jointly Alleviate Cadmium Toxicity in Wheat (*Triticum aestivum* L.) Plants by Modifying Nitrogen Metabolism, Cadmium Detoxification, and AsA-GSH Cycle**  
KAYA CENGİZ, UĞURLAR FERHAT, ASHRAF MUHAMMAD, NOURELDEEN AHMAD, DARWİSH HADEER, AHMAD PARVAİZ  
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- 12 **Microbial consortia-mediated arsenic bioremediation in agricultural soils: Current status, challenges, and solutions**  
KAYA CENGİZ, UĞURLAR FERHAT, ASHRAF MUHAMMAD, HOU DEYI, KIRKHAM MARY BETH, BOLAN NANTHI  
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- 13 **Mitigating salt toxicity and overcoming phosphate deficiency alone and in combination in pepper (*Capsicum annuum* L.) plants through supplementation of hydrogen sulfide**  
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- 14 **Molecular Mechanisms of CBL-CIPK Signaling Pathway in Plant Abiotic Stress Tolerance and Hormone Crosstalk**  
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- 15 **Nitric oxide and hydrogen sulfide work together to improve tolerance to salinity stress in wheat plants by upraising the AsA-GSH cycle**  
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- 16 **Salicylic acid interacts with other plant growth regulators and signal molecules in response to stressful environments in plants**

- 16 KAYA CENGİZ, UĞURLAR FERHAT, ASHRAF MUHAMMAD, AHMAD PARVAİZ  
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- 17 **Sodium nitroprusside modulates oxidative and nitrosative processes in *Lycopersicon esculentum* L. under drought stress**  
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- 18 **Synergistic mitigation of nickel toxicity in pepper (*Capsicum annuum*) by nitric oxide and thiourea via regulation of nitrogen metabolism and subcellular nickel distribution**  
UĞURLAR FERHAT, KAYA CENGİZ  
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- 19 **The involvement of hydrogen sulphide in melatonin-induced tolerance to arsenic toxicity in pepper (*Capsicum annuum* L.) plants by regulating sequestration and subcellular distribution of arsenic, and antioxidant defense system**  
KAYA CENGİZ, UĞURLAR FERHAT, ASHRAF MUHAMMAD, ALYEMENI MOHAMMED NASSER, BAJGUZ ANDRZEJ, AHMAD PARVAİZ  
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- 20 **The participation of nitric oxide in hydrogen sulphide-mediated chromium tolerance in pepper (*Capsicum annuum* L.) plants by modulating subcellular distribution of chromium and the ascorbate-glutathione cycle**  
KAYA CENGİZ, UĞURLAR FERHAT, ASHRAF MUHAMMAD, EL-SHEIKH MOHAMED ABD ROUF MOUSA, BAJGUZ ANDRZEJ, AHMAD PARVAİZ  
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- 21 **Thiamine-induced nitric oxide improves tolerance to boron toxicity in pepper plants by enhancing antioxidants**  
KAYA CENGİZ, ASLAN MUSTAFA, UĞURLAR FERHAT, ASHRAF MUHAMMAD  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, 10.3906/tar-1909-40

## Bildiriler (YOKSIS)

- 1 **COMPARATIVE EFFECTS OF GYTTJA AND BIOCHAR ON PHOSPHATE-RICH SOIL BIOLOGICAL PROPERTIES AND COMMON BEAN (*PHASEOLUS VULGARIS* L) PLANT GROWTH**  
TUNÇ MURAT, UĞURLAR FERHAT  
2nd INTERNATIONAL CANADIAN SCIENTIFIC RESEARCH CONGRESS ,  
<https://www.iksadamerica.org/canada>
- 2 **EFFECT OF NITRIFICATION INHIBITOR ON N<sub>2</sub>O EMISSION FROM FERTILIZED SOILS: A REVIEW**  
UĞURLAR FERHAT, KAYA CENGİZ  
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- 3 **EFFECTS OF ARBUSCULAR MYCORRHIZAL FUNGI (AMF) AND MOLYBDENUM APPLICATION ON SOIL BIOLOGY AND DEVELOPMENT OF COWPEA (*VIGNA SINENSIS* L) UNDER SALINE AND NONSALINE SOIL CONDITIONS**  
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2nd INTERNATIONAL CANADIAN SCIENTIFIC RESEARCH CONGRESS ,  
<https://www.iksadamerica.org/canada>

**4 EFFECTS OF FIRES ON MICROBIAL ACTIVITY AND ENZYME ACTIVITIES IN AGRICULTURAL SOILS**

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<https://bilselkongreleri.com/kongreler-icerik/v-bilisel-uluslararası-truva-bilimsel-arastirmalar-ve-inovasyon-kongresi-72>

**5 EFFECTS OF FOLIAR MAGNESIUM APPLICATIONS ON GROWTH, NUTRIENT CONTENT AND YIELD OF MAIZE IN ALKALINE SOILS**

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**6 GREENHOUSE ENVIRONMENT MONITORING AND SMART IRRIGATION SYSTEM FOR MORE EFFICIENT PRODUCTION**

Dirlik İbrahim, KAYA CENGİZ, UĞURLAR FERHAT

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