



PROF. CENGİZ KAYA

Kişisel Bilgiler

Eposta: ckaya@harran.edu.tr
Birimi : Toprak Bilimi ve Bitki Besleme
Dahili : 3474

Makaleler (YOKSIS)

- 1 24-Epibrassinolide Alleviates the Injurious Effects of Cr(VI) Toxicity in Tomato Plants: Insights into Growth, Physio-Biochemical Attributes, Antioxidant Activity and Regulation of Ascorbate-Glutathione and Glyoxalase Cycles**
Jan Sumira, Noman Ali, KAYA CENGİZ, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz
JOURNAL OF PLANT GROWTH REGULATION,
- 2 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 Michael, Ahmad Parvaiz
Plants-Basel, <https://www.mdpi.com/2223-7747/12/3/502>
- 3 A long term experiment to study the role of mulches in the physiology and macro nutrition of strawberry grown under water stress**
KAYA CENGİZ, KIRNAK HALİL, HIGGS DAVID, GERÇEK SİNAN
Australian Journal of Agricultural Research,
- 4 Alleviating effect of nitric oxide on oxidative stress and antioxidant defence system in pepper (Capsicum annuum L.) plants exposed to cadmium and lead toxicity applied separately or in combination**
KAYA CENGİZ, AKRAM NUDRAT AISHA, SÜRÜCÜ ABDULKADİR, Ashraf Muhammad
Scientia Horticulturae, <https://linkinghub.elsevier.com/retrieve/pii/S0304423819303760>
- 5 Alleviation of arsenic toxicity in pepper plants by aminolevulinic acid and heme through modulating its sequestration and distribution within cell organelles***
KAYA CENGİZ, Ashraf Muhammad, Alyemeni Mohammed Nasser, Rinklebe Jörg, Ahmad Parvaiz
ENVIRONMENTAL POLLUTION, <https://www.sciencedirect.com/science/article/abs/pii/S0269749123007492>
- 6 Ameliorative Effect of Calcium Nitrate on Cucumber and Melon Plants Drip Irrigated with Saline Water**
KAYA CENGİZ, Higgs David, KIRNAK HALİL, TAŞ İSMAIL

- 6 Journal of Plant Nutrition,<http://www.tandfonline.com/doi/abs/10.1081/PLN-120022379>
- 7 **Ameliorative effects of potassium phosphate on salt stressed pepper and cucumber**
KAYA CENGİZ,HIGGS DAVID,Amador BERNARDO ,ÇAKIR ATİLLA,SAKAR EBRU
Journal of Plant Nutrition,
- 8 **An experiment to investigate ameliorative effects of potassium sulphate on salt and alkalinity stressed vegetable crops**
KAYA CENGİZ,Higgs David,İKİNCİ ALİ
Journal of Plant Nutrition,
- 9 **An experiment to investigate the ameliorative effects of foliar potassium phosphate sprays on salt stressed strawberry plants**
KAYA CENGİZ,KIRNAK HALİL,Higgs DAVID
Australian Journal of Agricultural Research,
- 10 **An experiment to investigate the ameliorative effects of potassium sulphate on salt and alkalinity stressed vegetable crops**
Kaya C, Higgs D. and İkinci A.
JOURNAL OF PLANT NUTRITION,
- 11 **Asparagine and nitric oxide jointly enhance antioxidant capacity and nitrogen metabolism to improve drought resistance in cotton: Evidence from long-term field trials**
AKIN SABRİ, KAYA CENGİZ
Food and Energy Security,<http://dx.doi.org/10.1002/fes3.502>
- 12 **Calcium nitrate as a remedy for salt stressed cucumber plants**
KAYA CENGİZ,Higgs David
Journal of Plant Nutrition,
- 13 **Calcium sulfate improves salinity tolerance in rootstocks of plum**
BOLAT İBRAHİM,KAYA CENGİZ,ALMACA AHMET,Timucin Sibel
JOURNAL OF PLANT NUTRITION,
- 14 **Citric acid and hydrogen sulfide cooperate to mitigate chromium stress in tomato plants by modulating the ascorbate-glutathione cycle, chromium sequestration, and subcellular allocation of chromium**
KAYA CENGİZ, Ashraf Muhammad, Alyemeni Mohammed Nasser, Rinklebe Jörg, Ahmad Parvaiz
ENVIRONMENTAL POLLUTION,<http://dx.doi.org/10.1016/j.envpol.2023.122292>
- 15 **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 Parvaiz
Plant Physiology and Biochemistry,<http://dx.doi.org/10.1016/j.plaphy.2022.08.014>
- 16 **Comparative Effects of NaCl And Polyethylene Glycol on Germination Emergence and Seedling Growth of Cowpea**
BERNARDO Murillo-Amador,López-Aguilar Ru,KAYA CENGİZ,Larrinaga-Mayoral JA,Flores-Hernández AI
Journal of Agronomy and Crop Science,

- 17 **Comparative Effects of Various Salicylic Acid Derivatives on Key Growth Parameters and Some Enzyme Activities in Salinity Stressed Maize**
TUNA ATILLA LEVENT,KAYA CENGİZ,DİKİLİTAŞ MURAT,YOKAŞ İBRAHİM,BÜRÜN
BETÜL,ALTUNLU HAKAN
Pakistan Journal of Botany,
- 18 **Determination of Zinc Phytoavailability in Soil by Diffusive Gradients in Thin Films**
SÖNMEZ OSMAN,KAYA CENGİZ,AYDEMİR SALİH
Communications in Soil Science and Plant
Analysis,<http://www.tandfonline.com/doi/abs/10.1080/00103620903326008>
- 19 **Effect of biochar origin and soil type on the greenhouse gas emission and the bacterial community structure in N fertilised acidic sandy and alkaline clay soil**
ŞENBAYRAM MEHMET,SAYGAN EBRU PINAR,CHEN RUIRUI,AYDEMİR SALİH,KAYA CENGİZ,WU
DI,BLAGOGATSKAYA EVGENIA
Science of The Total Environment,<https://linkinghub.elsevier.com/retrieve/pii/S0048969718351799>
- 20 **Effect of foliar applied kinetin and indole acetic acid on maize plants grown under saline conditions**
KAYA CENGİZ,TUNA ATILLA LEVENT,OKANT ABDULKADİR MUSTAFA
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY,
- 21 **Effect of NaCl salinity in the genotypic variation of cowpea *Vigna unguiculata* during early vegetative growth**
Bernardo Murillo-Amador,El Troyo-Diequez,JL Garcia-Hernandez,RI Lopez-Aguilar,NY Avila-Serrano,Su Zamora-Salgado,EO Rueda-Puente,KAYA CENGİZ
SCIENTIA HORTICULTURAE,
- 22 **Effect of silicon on plant growth and mineral nutrition of maize grown under water stress conditions**
KAYA CENGİZ,TUNA ATILLA LEVENT,Higgs DAVID
JOURNAL OF PLANT NUTRITION,
- 23 **Effect of supplementary phosphorus on acid phosphatase enzyme activity and membrane permeability of zinc toxic tomato plants**
KAYA CENGİZ
JOURNAL OF PLANT NUTRITION,
- 24 **Effects of deficit irrigation on growth, yield and fruit quality of eggplant under semi-arid conditions**
KIRNAK HALİL,TAŞ İSMAİL,KAYA CENGİZ,Higgs David
Australian Journal of Agricultural Research,<http://www.publish.csiro.au/?paper=AR02014>
- 25 **Effects of foliar application of calcium nitrate on growth and physiological attributes of cowpea *Vigna unguiculata* L Walp grown under salt stress**
Murillo-Amador Bernado,HG Jones,KAYA CENGİZ,RL Aguilar,JL Garcia-Hernandez,El Troyo-Diequez,NY Avila-Serrano,Er Rueda-Puente
ENVIRONMENTAL AND EXPERIMENTAL BOTANY,
- 26 **Effects of Irrigation and Nitrogen Rates on Growth Yield and Quality of Muskmelon in Semiarid Regions**
KIRNAK HALİL,Higgs DAVID,KAYA CENGİZ,TAŞ İSMAİL
Journal of Plant Nutrition,

- 27 **Effects of preharvest drip irrigation scheduling on strawberry yield quality and growth**
KIRNAK HALİL,KAYA CENGİZ,Higgs DAVID,BOLAT İBRAHİM,ŞİMŞEK MEHMET,İKİNCİ ALİ
Australian Journal of Experimental Agriculture,
- 28 **Endogenous nitric oxide and its potential sources regulate glutathione-induced cadmium stress tolerance in maize plants**
KAYA CENGİZ, POLAT TAHİR, Ashraf Muhammad, Kaushik Prashant, Alyemeni Mohammed Nasser, Ahmad Parvaiz
Plant Physiology and Biochemistry,<http://dx.doi.org/10.1016/j.plaphy.2021.08.030>
- 29 **Enhancement of growth and normal growth parameters by foliar application of potassium and phosphorus in tomato cultivars grown at high NaCl salinity**
KAYA CENGİZ,KIRNAK HALİL,Higgs DAVID
Journal of Plant Nutrition,
- 30 **Enhancement of soybean tolerance to water stress through regulation of nitrogen and antioxidant defence mechanisms mediated by the synergistic role of salicylic acid and thiourea**
KAYA CENGİZ,AKIN SABRİ,SARIOĞLU ALİ,Ashraf Muhammad,Alyemeni Mohammed Nasser,Ahmad Parvaiz
Plant Physiology and Biochemistry,<https://doi.org/10.1016/j.plaphy.2023.108320>
- 31 **Epibrassinolide Application Regulates Some Key Physio-biochemical Attributes As Well As Oxidative Defense System in Maize Plants Grown Under Saline Stress**
KAYA CENGİZ,AYDEMİR SALİH,Akram Nudrat Aisha,Ashraf Muhammad
JOURNAL OF PLANT GROWTH REGULATION,<https://doi.org/10.1007/s00344-018-9830-y>
- 32 **Epigenetic and Hormonal Modulation in Plant-Plant Growth-Promoting Microorganism Symbiosis for Drought-Resilient Agriculture**
KAYA CENGİZ, UĞURLAR FERHAT, ADAMAKIS IOANNIS-DIMOSTHENIS
INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES,<http://dx.doi.org/10.3390/ijms242216064>
- 33 **Epigenetic Modifications of Hormonal Signaling Pathways in Plant Drought Response and Tolerance for Sustainable Food Security**
KAYA CENGİZ,UĞURLAR FERHAT,Adamakis Ioannis-Dimosthenis S.
International Journal of Molecular Sciences,<https://doi.org/10.3390/ijms25158229>
- 34 **Exogenous Application of Humic Acid Mitigates Salinity Stress in Maize (Zea mays L.) Plants by Improving some Key Physico-biochemical Attributes**
KAYA CENGİZ,Akram Nudrat,Ashraf Muhammad,SÖNMEZ OSMAN
Cereal Research Communications,<http://www.akademai.com/doi/10.1556/0806.45.2017.064>
- 35 **Exogenous application of mannitol and thiourea regulates plant growth and oxidative stress responses in salt stressed maize Zea may L**
KAYA CENGİZ,SÖNMEZ OSMAN,AYDEMİR SALİH,Ashraf Muhammed,DİKİLİTAŞ MURAT
Journal of Plant Interactions,<http://www.tandfonline.com/doi/abs/10.1080/17429145.2012.725480>
- 36 **Exogenous application of nitric oxide promotes growth and oxidative defense system in highly boron stressed tomato plants bearing fruit**
KAYA CENGİZ,Ashraf Muhammed
Scientia Horticulturae,<http://linkinghub.elsevier.com/retrieve/pii/S0304423815000199>

- 37 **Exogenous application of thiamin promotes growth and antioxidative defense system at initial phases of development in salt stressed plants of two maize cultivars differing in salinity tolerance**
KAYA CENGİZ, Muhammed Ashraf, SÖNMEZ OSMAN, TUNA ATILLA LEVENT, POLAT TAHİR
Acta Physiologiae Plantarum, <http://link.springer.com/10.1007/s11738-014-1741-3>
- 38 **Exogenously applied nitric oxide confers tolerance to salinity induced oxidative stress in two maize *Zea mays* L cultivars differing in salinity tolerance**
KAYA CENGİZ, Ashraf Muhammed, SÖNMEZ OSMAN, TUNA ATILLA LEVENT, AYDEMİR SALİH
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY, <http://online.journals.tubitak.gov.tr/openDoiPdf.htm?mKodu=tar-1411-26>
- 39 **Exogenously supplied silicon (Si) improves cadmium tolerance in pepper (*Capsicum annuum* L.) by up-regulating the synthesis of nitric oxide and hydrogen sulfide**
KAYA CENGİZ, Akram Nudrat, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz
Journal of Biotechnology, <https://linkinghub.elsevier.com/retrieve/pii/S0168165620300961>
- 40 **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**
KAYA CENGİZ, UĞURLAR FERHAT, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz
SCIENTIA HORTICULTURAE, <http://dx.doi.org/10.1016/j.scienta.2023.112368>
- 41 **Field Evaluation Of The Relationship Between Chlorophyll Content In Basil Leaves And A Portable Chlorophyll Meter Spad 502 Readings**
Ruiz-Espinoza FH, Murillo-Amador B, Garcia-Hernandez JL, Fenech-Larios L , Rueda-Puente EO, Troyo-Dieguez E, KAYA CENGİZ, Beltran-Morales A
Journal Of Plant Nutrition,
- 42 **Foliar Application of Iron as a Remedy for Zinc Toxic Tomato Plants**
KAYA CENGİZ, Higgs David, Burton Agneta
Journal of Plant Nutrition,
- 43 **Foliar application of iron as a remedy for zinc toxic tomato plants**
KAYA CENGİZ, Higgs David, Burton Agneta
JOURNAL OF PLANT NUTRITION,
- 44 **Foliar Fertilization: A Potential Strategy for Improving Plant Salt Tolerance**
KAYA CENGİZ, Ashraf Muhammad
CRITICAL REVIEWS IN PLANT SCIENCES, <http://dx.doi.org/10.1080/07352689.2023.2270253>
- 45 **Gibberellic acid improves water deficit tolerance in maize plants**
KAYA CENGİZ, TUNA ATILLA LEVENT, AAC Alves
ACTA PHYSIOLOGIAE PLANTARUM,
- 46 **Gibberellic acid mitigates nickel stress in soybean by cell wall fixation and regulating oxidative stress metabolism and glyoxalase system**
Bhat Javaid Akhter, Basit Farwa, Alyemeni Mohammed Nasser, Mansoor Sheikh, KAYA CENGİZ, Ahmad Parvaiz
PLANT PHYSIOLOGY AND BIOCHEMISTRY, <https://www.sciencedirect.com/science/article/abs/pii/S0981942823001894>

- 47 **Gibberellic acid-induced generation of hydrogen sulfide alleviates boron toxicity in tomato (*Solanum lycopersicum* L.) plants**
KAYA CENGİZ, SARIOĞLU ALİ, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz
Plant Physiology and Biochemistry, <https://linkinghub.elsevier.com/retrieve/pii/S0981942820302072>
- 48 **Glutathione-induced hydrogen sulfide enhances drought tolerance in sweet pepper (*Capsicum annuum* L.)**
KAYA CENGİZ, UĞURLAR FERHAT
Food and Energy Security, <https://doi.org/10.1002/fes3.559>
- 49 **Growth enhancement by supplementary phosphorus and iron in tomato cultivars grown hydroponically at high zinc**
KAYA CENGİZ, Higgs DAVID
Journal of Plant Nutrition,
- 50 **HALOPHYTIC COMPANION PLANTS IMPROVE GROWTH AND PHYSIOLOGICAL PARAMETERS OF TOMATO PLANTS GROWN UNDER SALINITY**
KARAKAŞ DİKİLİTAŞ SEMA, ÇULLU MEHMET ALİ, KAYA CENGİZ, DİKİLİTAŞ MURAT
Pakistan Journal of Botany,
- 51 **Hormonal and epigenetic regulation of root responses to salinity stress**
Yun Ping, KAYA CENGİZ, Shabala Sergey
The Crop Journal, <https://doi.org/10.1016/j.cj.2024.02.007>
- 52 **Hydrogen Sulfide and 5-Aminolevulinic Acid Synergistically Enhance Drought Tolerance in Tomato (*Solanum lycopersicum* L.)**
KAYA CENGİZ, UĞURLAR FERHAT
Food and Energy Security, <https://doi.org/10.1002/fes3.70007>
- 53 **Hydrogen sulfide regulates the levels of key metabolites and antioxidant defense system to counteract oxidative stress in pepper (*Capsicum annuum* L.) plants**
KAYA CENGİZ, Akram Nudrat, Ashraf Muhammad
Environmental Science and Pollution Research,
- 54 **Hydrogen sulphide partly involves in thiamine-induced tolerance to cadmium toxicity in strawberry (*Fragaria x ananassa* Duch) plants**
KAYA CENGİZ, Aslan Mustafa
ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH,
- 55 **Impact of salicylic acid and sodium hydrosulfide applied singly or in combination on drought tolerance and grain yield in wheat plants**
AKIN SABRİ, KAYA CENGİZ
Food and Energy Security, <https://doi.org/10.1002/fes3.532>
- 56 **Improved Salt Tolerance of Melon *Cucumis Melo* L By The Addition of Proline and Potassium Nitrate**
Kaya CENGİZ, Tuna ATILLA LEVENT, ASHRAF MUHAMMAD, Altunlu HAKAN
ENVIRONMENTAL AND EXPERIMENTAL BOTANY,
- 57 **IMPROVEMENTS IN PHYSIOLOGICAL AND NUTRITIONAL DEVELOPMENTS OF TOMATO CULTIVARS GROWN AT HIGH ZINC BY FOLIAR APPLICATION OF PHOSPHORUS AND IRON**
KAYA CENGİZ, Higgs David

- 57 Journal of Plant Nutrition,<http://www.tandfonline.com/doi/abs/10.1081/PLN-120013281>
- 58 **Improvements in the physiological and nutritional developments of tomato cultivars grown at high zinc by foliar application of phosphorus and iron**
KAYA CENGİZ,Higgs David
Journal of Plant Nutrition,
- 59 **Influence of exogenously applied nitric oxide on strawberry (*Fragaria ananassa*) plants grown under iron deficiency and/or saline stress**
KAYA CENGİZ,Akram Nudrat,Ashraf Muhammad
PHYSIOLOGIA PLANTARUM,<http://doi.wiley.com/10.1111/ppl.12818>
- 60 **Influence of foliar applied calcium nitrate on strawberry plants grown under salt stressed conditions**
KAYA CENGİZ,AK BEKİR EROL, Amador Bernardo
Australian Journal of Experimental Agriculture,
- 61 **Influence of Polyethylene Mulch Irrigation Regime and Potassium Rates on Field Cucumber Yield and Related Traits**
KAYA CENGİZ,Higgs David,KIRNAK HALİL
Journal of Plant Nutrition,<http://www.tandfonline.com/doi/abs/10.1080/01904160500250797>
- 62 **Integrative roles of nitric oxide and hydrogen sulfide in melatonin-induced tolerance of pepper (*Capsicum annuum* L.) plants to iron deficiency and salt stress alone or in combination**
KAYA CENGİZ, Higgs David, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz
PHYSIOLOGIA PLANTARUM,
- 63 **Inter relationships between zinc nutrition growth parameters and nutrient physiology in a hydroponically grown tomato cultivar**
KAYA CENGİZ,Higgs DAVID
Journal of Plant Nutrition,
- 64 **Involvement of L-Cysteine Desulfhydrase and Hydrogen Sulfide in Glutathione-Induced Tolerance to Salinity by Accelerating Ascorbate-Glutathione Cycle and Glyoxalase System in Capsicum**
KAYA CENGİZ,Murillo-Amador Bernardo,Ashraf Muhammad
Antioxidants,<https://www.mdpi.com/2076-3921/9/7/603>
- 65 **Kinetin and Indole Acetic Acid Promote Antioxidant Defense System and Reduce Oxidative Stress in Maize (*Zea mays* L.) Plants Grown at Boron Toxicity**
KAYA CENGİZ,Akram Nudrat,Ashraf Muhammad
Journal of Plant Growth Regulation,<http://link.springer.com/10.1007/s00344-018-9827-6>
- 66 **Legume based mixed intercroppingsystems may lower agricultural born N₂Oemissions**
ŞENBAYRAM MEHMET,Wenthe Christian,Lingner Annika,Isselstein Johannes,Steinmann Horst,KAYA CENGİZ,Köbke Sarah
Energy, Sustainability and Society,
- 67 **MAIZE (*Zea mays* L.) PLANT RESPONSES TO EXCESS COPPER, CADMIUM, COBALT, LEAD AND CHROMIUM**
TUNA ATILLA LEVENT, YILDIZTEKİN MAHMUT, Köşkeroğlu Sultan, YOKAŞ İBRAHİM, KAYA CENGİZ

- 67 FRESenius ENVIRONMENTAL BULLETIN,
- 68 **Melatonin and stress tolerance in horticultural crops: Insights into gene regulation, epigenetic modifications, and hormonal interplay**
KAYA CENGİZ, UĞURLAR FERHAT
SCIENTIA HORTICULTURAE,<http://dx.doi.org/10.1016/j.scienta.2023.112432>
- 69 **Melatonin improves drought stress tolerance of pepper (<i>Capsicum annuum</i>) plants via upregulating nitrogen metabolism**
KAYA CENGİZ, Shabala Sergey
FUNCTIONAL PLANT BIOLOGY,<https://www.publish.csiro.au/FP/FP23060>
- 70 **Melatonin improves tolerance to salt stress and boron toxicity in soybean and pepper plants**
SARIOĞLU ALİ, KAYA CENGİZ
International Journal of Applied and Experimental Biology,<http://dx.doi.org/10.56612/ijaeb.v1i1.8>
- 71 **Melatonin-mediated nitric oxide improves tolerance to cadmium toxicity by reducing oxidative stress in wheat plants**
KAYA CENGİZ, OKANT ABDULKADİR MUSTAFA, UĞURLAR FERHAT, ALYEMENI MOHAMMED NASSER, Ashraf Muhammad, AHMAD PARVAİZ
Chemosphere,<https://linkinghub.elsevier.com/retrieve/pii/S004565351930462X>
- 72 **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, Nouraldeem Ahmed, Darwish Hadeer, Ahmad Parvaiz
Frontiers in Plant Science,<http://dx.doi.org/10.3389/fpls.2021.654780>
- 73 **MITIGATION EFFECTS OF SILICON ON TOMATO PLANTS BEARING FRUIT GROWN AT HIGH BORON LEVELS**
KAYA CENGİZ, TUNA ATILLA LEVENT, GÜNERİ MURAT, Muhammed Ashraf
Journal of Plant Nutrition,<http://www.tandfonline.com/doi/abs/10.1080/01904167.2011.610485>
- 74 **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
Science of The Total Environment,<https://doi.org/10.1016/j.scitotenv.2024.170297>
- 75 **Microbial modulation of hormone signaling, proteomic dynamics, and metabolomics in plant drought adaptation**
KAYA CENGİZ
Food and Energy Security,<http://dx.doi.org/10.1002/fes3.513>
- 76 **Mitigating salt toxicity and overcoming phosphate deficiency alone and in combination in pepper (*Capsicum annuum* L.) plants through supplementation of hydrogen sulfide**
KAYA CENGİZ, UĞURLAR FERHAT, Ashraf Muhammad, Alyemeni Mohammed Nasser, Dewil Raf, Ahmad Parvaiz
Journal of Environmental Management,<https://doi.org/10.1016/j.jenvman.2023.119759>
- 77 **Mitigation effects of glycinebetaine on oxidative stress and some key growth parameters of maize exposed to salt stress**
KAYA CENGİZ, SÖNMEZ OSMAN, AYDEMİR SALİH, DİKİLİTAŞ MURAT

- 77 TURKISH JOURNAL OF AGRICULTURE AND FORESTRY,
- 78 **Mitigation effects of mycorrhiza on boron toxicity in wheat *Triticum durum* plants**
SÖNMEZ OSMAN,KAYA CENGİZ,AYDEMİR SALİH
NEW ZEALAND JOURNAL OF CROP AND HORTICULTURAL SCIENCE,
- 79 **Mitigation Effects of Silicon on Maize Plants Grown at High Zinc**
KAYA CENGİZ,TUNA ATILLA LEVENT,SÖNMEZ OSMAN,ince faruk,Higgs David
JOURNAL OF PLANT NUTRITION,
- 80 **Molecular Mechanisms of CBL-CIPK Signaling Pathway in Plant Abiotic Stress Tolerance and Hormone Crosstalk**
KAYA CENGİZ,UĞURLAR FERHAT,Adamakis Ioannis-Dimosthenis S.
International Journal of Molecular Sciences,<https://doi.org/10.3390/ijms25095043>
- 81 **Mycorrhizal colonisation improves fruit yield and water use efficiency in watermelon *Citrullus lanatus* Thunb grown under well watered and water stressed conditions**
KAYA CENGİZ,Higgs David,KIRNAK HALİL,TAŞ İSMAİL
PLANT AND SOIL,
- 82 **Nitrate reductase is required for salicylic acid-induced water stress tolerance of pepper by upraising the AsA-GSH pathway and glyoxalase system**
KAYA CENGİZ
Physiologia Plantarum,<http://dx.doi.org/10.1111/ppl.13153>
- 83 **Nitrate reductase rather than nitric oxide synthase activity is involved in 24-epibrassinolide-induced nitric oxide synthesis to improve tolerance to iron deficiency in strawberry (*Fragaria × annassa*) by up-regulating the ascorbate-glutathione cycle**
KAYA CENGİZ,Ashraf Muhammad,Alyemeni Mohammed Nasser,Ahmad Parvaiz
Plant Physiology and Biochemistry,<https://linkinghub.elsevier.com/retrieve/pii/S0981942820301716>
- 84 **Nitric oxide and hydrogen sulfide work together to improve tolerance to salinity stress in wheat plants by upraising the AsA-GSH cycle**
KAYA CENGİZ, UĞURLAR FERHAT, Ashraf Muhammad, Alam Pravej, Ahmad Parvaiz
PLANT PHYSIOLOGY AND BIOCHEMISTRY,<http://dx.doi.org/10.1016/j.plaphy.2022.11.041>
- 85 **Nitric oxide improves high zinc tolerance in maize plants**
KAYA CENGİZ
Journal of Plant Nutrition,<https://www.tandfonline.com/doi/full/10.1080/01904167.2016.1193603>
- 86 **Nitric Oxide is Required for Aminolevulinic Acid-Induced Salt Tolerance by Lowering Oxidative Stress in Maize (*Zea mays*)**
KAYA CENGİZ, Ashraf Muhammad
Journal of Plant Growth Regulation,<http://dx.doi.org/10.1007/s00344-020-10126-z>
- 87 **OXIDATIVE STRESS AND ANTIOXIDATIVE MECHANISMS IN TOMATO *SOLANUM LYCOPERSICUM* L PLANTS SPRAYED WITH DIFFERENT PESTICIDES**
YILDIZTEKİN MAHMUT,KAYA CENGİZ,TUNA ATILLA LEVENT,Ashraf Muhammed
Pakistan Journal of Botany,

- 88 **Phosphorus and Acid Phosphatase Enzyme Activity in Leaves of Tomato Cultivars in Relation to Zinc Supply**
KAYA CENGİZ,Higgs David,Burton Agneta
Communications in Soil Science and Plant Analysis,
- 89 **Physiological effects of the brown seaweed (*Ascophyllum nodosum*) and humic substances on plant growth and some enzyme activities of pepper plants grown under salt stress**
YILDIZTEKİN MAHMUT,TUNA ATILLA LEVENT,KAYA CENGİZ
Acta Biologica Hungarica,<https://link.springer.com/article/10.1556/018.68.2018.3.8>
- 90 **Plant Growth Phosphorus Nutrition and Acid Phosphatase Enzyme Activity in Three Tomato Cultivars Grown Hydroponically in Different Zinc Treatments**
KAYA CENGİZ,Higgs David,Burton Agneta
Journal of Plant Nutrition,
- 91 **POTASSIUM SULFATE IMPROVES WATER DEFICIT TOLERANCE IN MELON PLANTS GROWN UNDER GLASSHOUSE CONDITIONS**
TUNA ATILLA LEVENT,KAYA CENGİZ,Muhammed Ashraf
JOURNAL OF PLANT NUTRITION,<http://www.tandfonline.com/doi/abs/10.1080/01904167.2010.484089>
- 92 **Potential Mechanisms of Abiotic Stress Tolerance in Crop Plants Induced by Thiourea**
Waqas Muhammad Ahmed,KAYA CENGİZ,Riaz Adeel,Farooq Muhammad,Nawaz Iqra,Wilkes Andreas,Li Yue
Frontiers in Plant Science,<https://www.frontiersin.org/article/10.3389/fpls.2019.01336/full>
- 93 **PROMOTIVE EFFECTS OF EPIBRASSINOLIDE ON PLANT GROWTH, FRUIT YIELD, ANTIOXIDANT, AND MINERAL NUTRITION OF SALINE STRESSED TOMATO PLANTS**
SÖYLEMEZ SELÇUK,KAYA CENGİZ,KARAKAŞ DİKİLİTAŞ SEMA
Pakistan Journal of Botany,pakjbot@pakbs.org
- 94 **PROMOTIVE EFFECTS OF EPIBRASSINOLIDE ON PLANT GROWTH, FRUIT YIELD, ANTIOXIDANT, AND MINERAL NUTRITION OF SALINE STRESSED TOMATO PLANTS**
SÖYLEMEZ SELÇUK,KAYA CENGİZ,KARAKAŞ DİKİLİTAŞ SEMA
Pakistan Journal of Botany,<http://www.pakbs.org/pjbot/papers/1507282648.pdf>
- 95 **Promotive effect of exogenously applied thiourea on key physiological parameters and oxidative defense mechanism in salt stressed Zea mays L plants**
KAYA CENGİZ,Muhammed Ashraf,SÖNMEZ OSMAN
TURKISH JOURNAL OF BOTANY,<http://online.journals.tubitak.gov.tr/openDoiPdf.htm?mKodu=bot-1409-10>
- 96 **Regulation of growth and some key physiological processes in salt stressed maize Zea mays L plants by exogenous application of asparagine and glycerol**
KAYA CENGİZ,AYDEMİR SALİH,SÖNMEZ OSMAN
Acta Botanica Croatica,<http://www.degruyter.com/view/j/botcro.2013.72.issue-1/v10184-012-0012-x/v10184-012-0012-x.xml>
- 97 **Relationship between a nondestructive and an extraction method for measuring chlorophyll contents in cowpea leaves**
Murillo-Amador B, Avila-Serrano NY, Garcia-Hernandez JL, Lopez-Aguilar R, Troyo-Diequez E, Kaya C
Journal Of Plant Nutrition And Soil Science,

- 98 Relationship between water use and urea application in salt stressed pepper plants**
KAYA CENGİZ,HIGGS DAVID
Journal of Plant Nutrition,
- 99 Relationship Between Zinc Supply and Phosphorus Nutrition/ Phosphatase Enzyme Activity in a Hydroponically Grown Tomato Seedlings**
KAYA CENGİZ, Higgs David, Burton Agneta
Tarım Bilimleri Dergisi,http://dx.doi.org/10.1501/tarimbil_00000000928
- 100 Response of salt stressed strawberry plants to supplementary calcium nitrate and or potassium nitrate**
KAYA CENGİZ,AK BEKİR EROL,HIGGS DAVID
Journal of Plant Nutrition,
- 101 Response of strawberry grown at high salinity and alkalinity to supplementary potassium**
KAYA CENGİZ,HIGGS DAVID,SALTALI KADİR,GEZEREL ÖMER
Journal of Plant Nutrition,
- 102 Response of tomato (*Lycopersicon esculentum* L.) cultivars to foliar application of zinc when grown in sand culture at low zinc**
KAYA CENGİZ, Higgs David
Elsevier BV,[http://dx.doi.org/10.1016/s0304-4238\(01\)00310-7](http://dx.doi.org/10.1016/s0304-4238(01)00310-7)
- 103 Response of two leafy vegetables grown at high salinity to supplementary potassium and phosphorus during different growth stages**
KAYA CENGİZ,HIGGS DAVID,SAKAR EBRU
Journal of Plant Nutrition,
- 104 Responses of drip irrigated bell pepper to water stress and different nitrogen levels with or without mulch cover**
KIRNAK HALİL,KAYA CENGİZ,HIGGS DAVID,TAŞ İSMAİL
Journal of Plant Nutrition,
- 105 Responses of nitric oxide and hydrogen sulfide in regulating oxidative defence system in wheat plants grown under cadmium stress**
KAYA CENGİZ, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz
Physiologia Plantarum,
- 106 Responses Of Some Enzymes And Key Growth Parameters Of Salt Stressed Maize Plants To Foliar And Seed Applications Of Kinetin And Indole Acetic Acid**
KAYA CENGİZ,TUNA ATILLA LEVENT,DİKİLİTAŞ MURAT,ÇULLU MEHMET ALİ
Journal Of Plant Nutrition,
- 107 Responses of the tomato *Lycopersicon esculentum* Mill plant to exposure to different salt forms and rates**
YOKAŞ İBRAHİM,TUNA ATILLA LEVENT,BÜRÜN BETÜL,ALTUNLU HAKAN,KAYA CENGİZ
TURKISH JOURNAL OF AGRICULTURE AND FORESTR,
- 108 Responses of tomato cultivars grown to fruit harvest stage under zinc stress in glasshouse conditions**
KAYA CENGİZ,Higgs DAVID,Burton AGNETA

- 10 Journal of Plant Nutrition,
8
- 10 **Role of L-Cysteine Desulphydrase in Epibrassinolide-Induced Tolerance to Boron Toxicity in
9 Pepper (*Capsicum annuum* L.) Plants**
KAYA CENGİZ
Journal of Plant Growth Regulation,<http://link.springer.com/10.1007/s00344-020-10149-6>
- 11 **Salicylic acid interacts with other plant growth regulators and signal molecules in response to
0 stressful environments in plants**
KAYA CENGİZ, UĞURLAR FERHAT, Ashraf Muhammad, Ahmad Parvaiz
PLANT PHYSIOLOGY AND
BIOCHEMISTRY,<https://www.sciencedirect.com/science/article/abs/pii/S0981942823000803>
- 11 **Salicylic acid-induced hydrogen sulphide improves lead stress tolerance in pepper plants by
1 upraising the ascorbate-glutathione cycle**
KAYA CENGİZ
Physiologia Plantarum,<http://dx.doi.org/10.1111/ppl.13159>
- 11 **Salicylic acid-induced nitric oxide enhances arsenic toxicity tolerance in maize plants by
2 upregulating the ascorbate-glutathione cycle and glyoxalase system**
KAYA CENGİZ, Ashraf Muhammad, Ahmad Parvaiz, Alyemeni Mohammed Nasser, Corpas Francisco
Journal of Hazardous Materials,<https://linkinghub.elsevier.com/retrieve/pii/S0304389420310098>
- 11 **Short term relationships between membrane permeability and growth parameters in three
3 tomato cultivars grown at low and high zinc**
KAYA CENGİZ, Higgs David
Journal of Plant Nutrition,<http://www.tandfonline.com/doi/abs/10.1080/01904160009382108>
- 11 **Silicon Improves Salinity Tolerance in Wheat Plants**
4 Tuna LEVENT, KAYA CENGİZ, HIGGS DAVID
Environmental and Experimental Botany,
- 11 **Silicon is dependent on hydrogen sulphide to improve boron toxicity tolerance in pepper plants
5 by regulating the AsA-GSH cycle and glyoxalase system**
KAYA CENGİZ, Ahmad Parvaiz, Ashraf Muhammad, Al-Huqail Asma A, Al-Huqail Asma A
Chemosphere,<https://linkinghub.elsevier.com/retrieve/pii/S004565352031434X>
- 11 **Sodium hydrosulfide-mediated upregulation of nitrogen metabolism improves drought stress
6 tolerance in pepper plants**
KAYA CENGİZ, Shabala Sergey
ENVIRONMENTAL AND EXPERIMENTAL BOTANY,<http://dx.doi.org/10.1016/j.envexpbot.2023.105305>
- 11 **Sodium hydrosulfite together with silicon detoxifies arsenic toxicity in tomato plants by
7 modulating the AsA-GSH cycle**
KAYA CENGİZ, Ashraf Muhammad
Environmental Pollution,<http://dx.doi.org/10.1016/j.envpol.2021.118608>
- 11 **Sodium nitroprusside modulates oxidative and nitrosative processes in *Lycopersicum
8 esculentum* L. under drought stress**
KAYA CENGİZ, UĞURLAR FERHAT, Seth Chandra Shekhar
Plant Cell Reports,<https://doi.org/10.1007/s00299-024-03238-3>

- 11
9 **Sulfur-enriched leonardite and humic acid soil amendments enhance tolerance to drought and phosphorus deficiency stress in maize (*Zea mays* L.)**
KAYA CENGİZ, ŞENBAYRAM MEHMET, Akram Nudrat, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz
SCIENTIFIC REPORTS,
- 12
0 **Supplementary calcium enhances plant growth and fruit yield in strawberry cultivars grown at high NaCl salinity**
KAYA CENGİZ,KIRNAK HALİL,Higgs DAVID,SALTALI KADİR
Scientia Horticulturae,
- 12
1 **Supplementary phosphorus can alleviate boron toxicity in tomato**
KAYA CENGİZ,TUNA ATILLA LEVENT,DİKİLİTAŞ MURAT,Ashraf Muhammed,Koskeroglu Sultan,GÜNERİ MURAT
SCIENTIA HORTICULTURAE,
- 12
2 **Supplementary Potassium Nitrate Improves Salt Tolerance in Bell Pepper Plants**
KAYA CENGİZ,Higgs David
Journal of Plant Nutrition,<http://www.tandfonline.com/doi/abs/10.1081/PLN-120021048>
- 12
3 **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
FUNCTIONAL PLANT BIOLOGY,<http://dx.doi.org/10.1071/fp23122>
- 12
4 **The assessment of tolerance to heavy metals Cd Pb and Zn and their accumulation in three weed species**
SÖNMEZ OSMAN,BÜKÜN BEKİR,KAYA CENGİZ,AYDEMİR SALİH
PAKISTAN JOURNAL OF BOTANY,
- 12
5 **The Combined Effects of Gibberellic Acid and Salinity on Some Antioxidant Enzyme Activities Plant Growth Parameters and Nutritional Status in Maize Plants**
TUNA ATILLA LEVENT,KAYA CENGİZ,DİKİLİTAŞ MURAT,HIGGS DAVID
Environmental and Experimental Botany,
- 12
6 **The combined supplementation of melatonin and salicylic acid effectively detoxifies arsenic toxicity by modulating phytochelatins and nitrogen metabolism in pepper plants**
KAYA CENGİZ, SARIOĞLU ALİ, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz
Environmental Pollution,<http://dx.doi.org/10.1016/j.envpol.2021.118727>
- 12
7 **The effects of calcium sulphate on growth, membrane stability and nutrient uptake of tomato plants grown under salt stress**
TUNA ATILLA LEVENT,KAYA CENGİZ,Ashraf Muhammad,ALTUNLU HAKAN,YOKAŞ İBRAHİM,YAĞMUR BÜLENT
Environmental and Experimental Botany,<http://linkinghub.elsevier.com/retrieve/pii/S0098847206000232>
- 12
8 **The effects of phosphorus addition on phytoavailability of zinc by diffusive gradients in thin films DGT**
SÖNMEZ OSMAN,PIERZYNSKI Gary,KAYA CENGİZ,AYDEMİR SALİH
Turkish Journal of Agriculture and Forestry,
- 12
9 **The effects of sulfur cattle and poultry manure addition on soil phosphorus**

- 12 SÖNMEZ OSMAN,Turan Veysel,KAYA CENGİZ
9 Turkish Journal of Agriculture and Forestry,
- 13 **The Effects of Supplementary Potassium and Phosphorus on Physiological Development and Mineral Nutrition of Cucumber and Pepper Cultivars Grown at High Salinity NaCl**
0 KAYA CENGİZ,KIRNAK HALİL,HIGGS DAVID
Journal of Plant Nutrition,
- 13 **The endogenous L-cysteine desulphydrase and hydrogen sulfide participate in supplemented phosphorus-induced tolerance to salinity stress in maize (Zea mays) plants**
1 KAYA CENGİZ, Ashraf Muhammad
TURKISH JOURNAL OF BOTANY,
- 13 **THE EVALUATION OF DIFFUSIVE GRADIENTS IN THIN FILMS DGT AND CaCl₂ EXTRACTION ON PHOSPHORUS ZINC INTERACTION IN SUDAN GRASS**
2 SÖNMEZ OSMAN,PIERZYNSKI Gary,KAYA CENGİZ,AYDEMİR SALİH
Pakistan Journal of Botany,
- 13 **The influence of arbuscular mycorrhizal colonisation on key growth parameters and fruit yield of pepper plants grown at high salinity**
3 KAYA CENGİZ,Ashraf Muhammed,SÖNMEZ OSMAN,AYDEMİR SALİH,TUNA ATILLA
LEVENT,ÇULLU MEHMET ALİ
SCIENTIA HORTICULTURAE,
- 13 **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**
4 KAYA CENGİZ, UĞURLAR FERHAT, Ashraf Muhammad, Alyemeni Mohammed Nasser, Bajguz Andrzej, Ahmad Parvaiz
Chemosphere,<http://dx.doi.org/10.1016/j.chemosphere.2022.136678>
- 13 **The mechanism of hydrogen sulfide mitigation of iron deficiency-induced chlorosis in strawberry (Fragaria × ananassa) plants**
5 KAYA CENGİZ,Ashraf Muhammad
Protoplasma,<http://link.springer.com/10.1007/s00709-018-1298-x>
- 13 **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**
6 KAYA CENGİZ, UĞURLAR FERHAT, Ashraf Muhammad, El-Sheikh Mohamed Abd Rouf Mousa, Bajguz Andrzej, Ahmad Parvaiz
Environmental Pollution,<http://dx.doi.org/10.1016/j.envpol.2022.120229>
- 13 **The putative role of endogenous nitric oxide in brassinosteroid-induced antioxidant defence system in pepper (Capsicum annuum L.) plants under water stress**
7 KAYA CENGİZ,Ashraf Muhammad,Wijaya Leonard,Ahmad Parvaiz
Plant Physiology and Biochemistry,<https://linkinghub.elsevier.com/retrieve/pii/S0981942819303304>
- 13 **The role of endogenous nitric oxide in melatonin-improved tolerance to lead toxicity in maize plants**
8 OKANT ABDULKADİR MUSTAFA,KAYA CENGİZ
Environmental Science and Pollution Research,<http://link.springer.com/10.1007/s11356-019-04517-3>

- 13** **The role of endogenous nitric oxide in salicylic acid-induced up-regulation of ascorbate-glutathione cycle involved in salinity tolerance of pepper (*Capsicum annuum* L.) plants**
KAYA CENGİZ, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz
PLANT PHYSIOLOGY AND BIOCHEMISTRY,
- 14** **The role of nitrate reductase in brassinosteroid-induced endogenous nitric oxide generation to improve cadmium stress tolerance of pepper plants by upregulating the ascorbate-glutathione cycle**
KAYA CENGİZ, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz
Ecotoxicology and Environmental Safety, <https://linkinghub.elsevier.com/retrieve/pii/S0147651320303225>
- 14** **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,
- 14** **Thiourea-mediated Nitric Oxide Production Enhances Tolerance to Boron Toxicity by Reducing Oxidative Stress in Bread Wheat (*Triticum aestivum* L.) and Durum Wheat (*Triticum durum* Desf.) Plants**
KAYA CENGİZ, SARIOĞLU ALİ, AKRAM NUDRAT AISHA, Ashraf Muhammad
Journal of Plant Growth Regulation, <http://link.springer.com/10.1007/s00344-019-09916-x>
- 14** **Trehalose and NO work together to alleviate Cd toxicity in pepper (<i>Capsicum annuum</i>) plants by regulating cadmium sequestration and distribution within cells and the antioxidant defense system**
KAYA CENGİZ, Ashraf Muhammad, Alyemeni Mohammed Nasser, Rinklebe Jörg, Ahmad Parvaiz
SCIENTIA HORTICULTURAE, <https://www.sciencedirect.com/science/article/abs/pii/S0304423823001231>
- 14** **Yüksek ve Düşük Dozlardaki Çinkonun, Hidroponik Olarak Yetiştirilen Domates Çeşitlerinde Bitki Yaş Ağırlığı, Klorofil İçeriği ile Kalsiyum, Fosfor ve Demir Beslenmesine Etkileri**
KAYA CENGİZ, Higgs David
Gaziosmanpaşa Üniversitesi Ziraat Fakültesi Dergisi,
- 14** **Zinc Oxide Nanoparticles Application Alleviates Arsenic (As) Toxicity in Soybean Plants by Restricting the Uptake of as and Modulating Key Biochemical Attributes, Antioxidant Enzymes, Ascorbate-Glutathione Cycle and Glyoxalase System**
Ahmad Parvaiz, Alyemeni Mohammed Nasser, A Al-Huqail Asma, Alqahtani Moneerah A, Wijaya Leonard, Ashraf Muhammad, KAYA CENGİZ, Bajguz Andrzej
PLANTS-BASEL,

Bildiriler (YOKSIS)

- 1** **Aminolevulinic acid improves salinity induced photo protection mechanisms in two corn cultivars differing in salinity tolerance**
KAYA CENGİZ, Ashraf Muhammed, ŞENBAYRAM MEHMET, SÖNMEZ OSMAN
Uluslararası Bitki Besleme Kongresi ,
- 2** **Biochar Application Effects on Eggplant (*Solanum melongena*) Growth and Soil Parameters under Saline and Non-Saline Soil Conditions**
AYDEMİR SALİH, Özyavuz Murat, SÖNMEZ OSMAN, KAYA CENGİZ, YALÇIN HAMZA

- 2 1 ST INTERNATIONAL GOBEKLITEPE AGRICULTURE CONGRESS-IGAC 2019 ,
http://ziraat.harran.edu.tr/assets/uploads/other/files/ziraat/files/Dekanl%C4%B1k/KONGRELER/IGAC_PROCEEDINGS_S2_compressed.pdf
- 3 **Biochar Application Effects on Eggplant (*Solanum melongena*) Growth and Soil Parameters under Saline and Non-Saline Soil Conditions**
AYDEMİR SALİH, ÖZYAVUZ MURAT, SÖNMEZ OSMAN, KAYA CENGİZ, YALÇIN HAMZA
1 ST INTERNATIONAL GOBEKLITEPE AGRICULTURE CONGRESS-IGAC 2019 ,
http://ziraat.harran.edu.tr/assets/uploads/other/files/ziraat/files/Dekanl%C4%B1k/KONGRELER/IGAC_PROCEEDINGS_S2_compressed.pdf
- 4 **Biochar s effect on C sequestration and N2O emissionss depends on soil type and biochar substrate**
ŞENBAYRAM MEHMET, saygan Ebru, Wu Di, Kuzyakov Yakov, AYDEMİR SALİH, Bol Roland, KAYA CENGİZ, Blagodatskaya Evgenia
Eurosoil ,
- 5 **BRASSINOSTEROIDE ENHANCES GERMINATION OF SEED OF WHEAT UNDER SALINE CONDITION**
KAYA CENGİZ
1 ST INTERNATIONAL GOBEKLITEPE AGRICULTURE CONGRESS-IGAC 2019 ,
http://ziraat.harran.edu.tr/assets/uploads/other/files/ziraat/files/Dekanl%C4%B1k/KONGRELER/IGAC_PROCEEDINGS_S2_compressed.pdf
- 6 **Effect of melatonin and epi-brassinosteroid applications on plants grown under salt stress and boron toxicity**
SARIOĞLU ALİ, KAYA CENGİZ
1 ST INTERNATIONAL GOBEKLITEPE AGRICULTURE CONGRESS-IGAC 2019 ,
http://ziraat.harran.edu.tr/assets/uploads/other/files/ziraat/files/Dekanl%C4%B1k/KONGRELER/IGAC_PROCEEDINGS_S2_compressed.pdf
- 7 **EFFECT OF NITRIFICATION INHIBITOR ON N2O EMISSION FROM FERTILIZED SOILS : A REVIEW**
UĞURLAR FERHAT, KAYA CENGİZ
1 ST INTERNATIONAL GOBEKLITEPE AGRICULTURE CONGRESS-IGAC 2019 ,
http://ziraat.harran.edu.tr/assets/uploads/other/files/ziraat/files/Dekanl%C4%B1k/KONGRELER/IGAC_PROCEEDINGS_S2_compressed.pdf
- 8 **GREENHOUSE ENVIRONMENT MONITORING AND SMART IRRIGATION SYSTEM FOR MORE EFFICIENT PRODUCTION**
Dirlik İbrahim, KAYA CENGİZ, UĞURLAR FERHAT
2. INTERNATIONAL PARIS CONGRESS ON AGRICULTURE & ANIMAL HUSBANDRY ,
https://tr.iksadparis.org/_files/ugd/614b1f_2bfc2a621a89443e8aecfef99569ec9a.pdf
- 9 **HİDROJEN SÜLFİT'İN BOR TOKSİSİTESİNDE YETİŞEN BİBER BİTKİSİNİN SPAD DEĞERLERİ, YAŞ AĞIRLIĞI ve PROLİN BİRİKİMİNE ETKİSİNİN ARAŞTIRILMASI**
UĞURLAR FERHAT, KAYA CENGİZ
1 ST INTERNATIONAL GOBEKLITEPE AGRICULTURE CONGRESS-IGAC 2019 ,
http://ziraat.harran.edu.tr/assets/uploads/other/files/ziraat/files/Dekanl%C4%B1k/KONGRELER/IGAC_PROCEEDINGS_S2_compressed.pdf
- 10 **IDENTIFICATION OF SITE VULNERABILITY FOR PHOSPHORUS**
SÖNMEZ OSMAN, GÜNEŞ ADEM, KAYA CENGİZ, AYDEMİR SALİH
3rd INTERNATIONAL CONFERENCE ON ENVIRONMENTAL SCIENCE AND TECHNOLOGY (ICOEST) , www.icoest.eu

- 11 Organic and Bio-health Agriculture Produce and Development**
KAYA CENGİZ,Ashraf Muhammad
conference, “The Belt and Road” Bio-health Agriculture ,
- 12 Physiological Effects of The Brown Seaweed (*Ascophyllum nodosum*) and Humic Substances on Growth and Some Enzyme Activities of Pepper Plants Growing under Salt Stress**
YILDIZTEKİN MAHMUT,TUNA ATİLLA LEVENT,KAYA CENGİZ
The 3rd International Symposium on EuroAsian Biodiversity ,
- 13 Physiological Effects of The Brown Seaweed (*Ascophyllum nodosum*) and Humic Substances on Growth and Some Enzyme Activities of Pepper Plants Growing under Salt Stress OP330**
YILDIZTEKİN MAHMUT,TUNA ATİLLA LEVENT,KAYA CENGİZ
The 3rd International Symposium on EuroAsian Biodiversity ,
- 14 Some Soil Physical and Chemical Properties in Harran Plain**
SÖNMEZ OSMAN,KAYA CENGİZ,ŞAHAN SERKAN,GÜNEŞ ADEM
International Conference on Agriculture, Forest, Food Sciences and Technologies, (ICAFOF) ,
- 15 The effects of nitric oxide and thiourea on oxidative stress and antioxidative machinery of salt stressed maize cultivars**
KAYA CENGİZ,Ashraf Muhammad,ŞENBAYRAM MEHMET,SÖNMEZ OSMAN
International Conference on Major Environmental Constrains to Plants ,
- 16 The Impact of Different Biochar Materials on Selected Soil Physical Parameters of the Harran Plain Clay Soils**
ALTUN OSMAN,AYDEMİR SALİH,BİLGİLİ ALİ VOLKAN,SÖNMEZ OSMAN,KAYA CENGİZ,AYAYDIN EBRU PINAR,YALÇIN HAMZA
1. INTERNATIONAL GAP AGRICULTURE AND LIVESTOCK CONGRESS ,
- 17 The Impact of Different Types of Biochar Applications on Pepper and Soil Parameters Under Saline and Non-saline Conditions in the Harran Plain**
AKPİRİNÇ İBRAHİM,AYDEMİR SALİH,BİLGİLİ ALİ VOLKAN,SÖNMEZ OSMAN,KAYA CENGİZ,ALTUN OSMAN,AKPİRİNÇ ESMA,YALÇIN HAMZA
1. INTERNATIONAL GAP AGRICULTURE AND LIVESTOCK CONGRESS ,
- 18 Total and Bioavailable Phosphorus in Harran Plain**
SÖNMEZ OSMAN,KAYA CENGİZ,GÜNEŞ ADEM,ŞAHAN SERKAN
International Conference on Agriculture, Forest, Food Sciences and Technologies, (ICAFOF) ,
- 19 Using of Bacteria and Mycorrhiza in Grown Plants Under Stress Conditions**
SARIOĞLU ALİ, KAYA CENGİZ
1 ST INTERNATIONAL GOBEKLITEPE AGRICULTURE CONGRESS-IGAC 2019 ,
http://ziraat.harran.edu.tr/assets/uploads/other/files/ziraat/files/Dekanl%C4%B1k/KONGRELER/IGAC_PROCEEDINGS_S2_compressed.pdf

