



**PROF. CENGİZ KAYA**

### **Kişisel Bilgiler**

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

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- 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**  
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- 2 5-Aminolevulinic Acid Induces Chromium [Cr(VI)] Tolerance in Tomatoes by Alleviating Oxidative Damage and Protecting Photosystem II: A Mechanistic Approach**  
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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**  
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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**  
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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**  
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- 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**  
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 Journal of Plant Nutrition,
  
- 8 **An experiment to investigate ameliorative effects of potassium sulphate on salt and alkalinity stressed vegetable crops**  
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 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**  
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 Journal of Plant Nutrition,
  
- 13 **Calcium sulfate improves salinity tolerance in rootstocks of plum**  
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 JOURNAL OF PLANT NUTRITION,
  
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 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**  
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 Plant Physiology and Biochemistry,<http://dx.doi.org/10.1016/j.plaphy.2022.08.014>
  
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 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**  
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Pakistan Journal of Botany,
- 18 **Determination of Zinc Phytoavailability in Soil by Diffusive Gradients in Thin Films**  
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Communications in Soil Science and Plant  
Analysis,<http://www.tandfonline.com/doi/abs/10.1080/00103620903326008>
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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**  
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JOURNAL OF PLANT NUTRITION,
- 23 **Effect of supplementary phosphorus on acid phosphatase enzyme activity and membrane permeability of zinc toxic tomato plants**  
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JOURNAL OF PLANT NUTRITION,
- 24 **Effects of deficit irrigation on growth, yield and fruit quality of eggplant under semi-arid conditions**  
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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**  
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- 27 **Effects of preharvest drip irrigation scheduling on strawberry yield quality and growth**  
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- 28 **Endogenous nitric oxide and its potential sources regulate glutathione-induced cadmium stress tolerance in maize plants**  
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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**  
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- 30 **Epibrassinolide Application Regulates Some Key Physio-biochemical Attributes As Well As Oxidative Defense System in Maize Plants Grown Under Saline Stress**  
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JOURNAL OF PLANT GROWTH REGULATION,<https://doi.org/10.1007/s00344-018-9830-y>
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INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES,<http://dx.doi.org/10.3390/ijms242216064>
- 32 **Exogenous Application of Humic Acid Mitigates Salinity Stress in Maize (Zea mays L.) Plants by Improving some Key Physico-biochemical Attributes**  
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Cereal Research Communications,<http://www.akademai.com/doi/10.1556/0806.45.2017.064>
- 33 **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>
- 34 **Exogenous application of nitric oxide promotes growth and oxidative defense system in highly boron stressed tomato plants bearing fruit**  
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Scientia Horticulturae,<http://linkinghub.elsevier.com/retrieve/pii/S0304423815000199>
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KAYA CENGİZ,Muhammed Ashraf,SÖNMEZ OSMAN,TUNA ATİLLA LEVENT,POLAT TAHİR  
Acta Physiologiae Plantarum,<http://link.springer.com/10.1007/s11738-014-1741-3>
- 36 **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 ATİLLA LEVENT,AYDEMİR SALİH  
TURKISH JOURNAL OF AGRICULTURE AND FORESTRY,<http://online.journals.tubitak.gov.tr/openDoiPdf.htm?mKodu=tar-1411-26>

- 37 **Exogenously supplied silicon (Si) improves cadmium tolerance in pepper (*Capsicum annuum* L.) by up-regulating the synthesis of nitric oxide and hydrogen sulfide**  
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Journal of Biotechnology, <https://linkinghub.elsevier.com/retrieve/pii/S0168165620300961>
- 38 **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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SCIENTIA HORTICULTURAE, <http://dx.doi.org/10.1016/j.scienta.2023.112368>
- 39 **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,
- 40 **Foliar Application of Iron as a Remedy for Zinc Toxic Tomato Plants**  
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- 41 **Foliar application of iron as a remedy for zinc toxic tomato plants**  
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JOURNAL OF PLANT NUTRITION,
- 42 **Foliar Fertilization: A Potential Strategy for Improving Plant Salt Tolerance**  
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CRITICAL REVIEWS IN PLANT SCIENCES, <http://dx.doi.org/10.1080/07352689.2023.2270253>
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- 44 **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>
- 45 **Gibberellic acid-induced generation of hydrogen sulfide alleviates boron toxicity in tomato (*Solanum lycopersicum* L.) plants**  
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- 46 **Growth enhancement by supplementary phosphorus and iron in tomato cultivars grown hydroponically at high zinc**  
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Pakistan Journal of Botany,
- 48 **Hydrogen sulfide regulates the levels of key metabolites and antioxidant defense system to counteract oxidative stress in pepper (*Capsicum annuum* L.) plants**  
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Journal of Plant Nutrition, <http://www.tandfonline.com/doi/abs/10.1081/PLN-120013281>
- 53 **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  
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- 54 **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>
- 55 **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,
- 56 **Influence of Polyethylene Mulch Irrigation Regime and Potassium Rates on Field Cucumber Yield and Related Traits**  
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Journal of Plant Nutrition, <http://www.tandfonline.com/doi/abs/10.1080/01904160500250797>
- 57 **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**

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- 58 **Inter relationships between zinc nutrition growth parameters and nutrient physiology in a hydroponically grown tomato cultivar**  
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- 59 **Investigation of antileishmanial activities of Tio(2)@Ag nanoparticles on biological properties of L-tropica and L-infantum parasites, in vitro**  
Allahverdiyev Adil M., ABAMOR EMRAH ŞEFİK, Bagirova Melahat, YEŞİLKIR BAYDAR SERAP, CANIM ATEŞ SEZEN, KAYA FİGEN, KAYA CENGİZ, Rafailovich Miriam  
EXPERIMENTAL PARASITOLOGY,
- 60 **Involvement of L-Cysteine Desulphydrase and Hydrogen Sulfide in Glutathione-Induced Tolerance to Salinity by Accelerating Ascorbate-Glutathione Cycle and Glyoxalase System in Capsicum**  
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Antioxidants, <https://www.mdpi.com/2076-3921/9/7/603>
- 61 **Kinetin and Indole Acetic Acid Promote Antioxidant Defense System and Reduce Oxidative Stress in Maize (Zea mays L.) Plants Grown at Boron Toxicity**  
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- 62 **Legume based mixed intercroppingsystems may lower agricultural born N2Oemissions**  
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- 64 **Melatonin and stress tolerance in horticultural crops: Insights into gene regulation, epigenetic modifications, and hormonal interplay**  
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SCIENTIA HORTICULTURAE, <http://dx.doi.org/10.1016/j.scienta.2023.112432>
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- 66 **Melatonin improves tolerance to salt stress and boron toxicity in soybean and pepper plants**  
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International Journal of Applied and Experimental Biology, <http://dx.doi.org/10.56612/ijaeb.v1i1.8>
- 67 **Melatonin-mediated nitric oxide improves tolerance to cadmium toxicity by reducing oxidative stress in wheat plants**

- 67 KAYA CENGİZ, OKANT ABDULKADİR MUSTAFA, UĞURLAR FERHAT, ALYEMENİ MOHAMMED NASSER, Ashraf Muhammad, AHMAD PARVAİZ  
Chemosphere, <https://linkinghub.elsevier.com/retrieve/pii/S004565351930462X>
- 68 **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**  
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Frontiers in Plant Science, <http://dx.doi.org/10.3389/fpls.2021.654780>
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Journal of Plant Nutrition, <http://www.tandfonline.com/doi/abs/10.1080/01904167.2011.610485>
- 70 **Microbial modulation of hormone signaling, proteomic dynamics, and metabolomics in plant drought adaptation**  
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Food and Energy Security, <http://dx.doi.org/10.1002/fes3.513>
- 71 **Mitigation effects of glycinebetaine on oxidative stress and some key growth parameters of maize exposed to salt stress**  
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PLANT AND SOIL,
- 75 **Nitrate reductase is required for salicylic acid-induced water stress tolerance of pepper by upraising the AsA-GSH pathway and glyoxalase system**  
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Physiologia Plantarum, <http://dx.doi.org/10.1111/ppl.13153>
- 76 **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**  
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Plant Physiology and Biochemistry, <https://linkinghub.elsevier.com/retrieve/pii/S0981942820301716>
- 77 **Nitric oxide and hydrogen sulfide work together to improve tolerance to salinity stress in wheat plants by upraising the AsA-GSH cycle**



- 77 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>
- 78 **Nitric oxide improves high zinc tolerance in maize plants**  
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Journal of Plant Nutrition,<https://www.tandfonline.com/doi/full/10.1080/01904167.2016.1193603>
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Journal of Plant Growth Regulation,<http://dx.doi.org/10.1007/s00344-020-10126-z>
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Pakistan Journal of Botany,
- 81 **Phosphorus and Acid Phosphatase Enzyme Activity in Leaves of Tomato Cultivars in Relation to Zinc Supply**  
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- 82 **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**  
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Acta Biologica Hungarica,<https://link.springer.com/article/10.1556/018.68.2018.3.8>
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JOURNAL OF PLANT NUTRITION,<http://www.tandfonline.com/doi/abs/10.1080/01904167.2010.484089>
- 85 **Potential Mechanisms of Abiotic Stress Tolerance in Crop Plants Induced by Thiourea**  
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Frontiers in Plant Science,<https://www.frontiersin.org/article/10.3389/fpls.2019.01336/full>
- 86 **PROMOTIVE EFFECTS OF EPIBRASSINOLIDE ON PLANT GROWTH, FRUIT YIELD, ANTIOXIDANT, AND MINERAL NUTRITION OF SALINE STRESSED TOMATO PLANTS**  
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Pakistan Journal of Botany, [pakjbot@pakbs.org](mailto:pakjbot@pakbs.org)
- 87 **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>

- 88 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>

- 89 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>

- 90 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,

- 91 Relationship between water use and urea application in salt stressed pepper plants**

KAYA CENGİZ, HIGGS DAVID

Journal of Plant Nutrition,

- 92 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](http://dx.doi.org/10.1501/tarimbil_00000000928)

- 93 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,

- 94 Response of strawberry grown at high salinity and alkalinity to supplementary potassium**

KAYA CENGİZ, HIGGS DAVID, SALTALI KADİR, GEZEREL ÖMER

Journal of Plant Nutrition,

- 95 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)

- 96 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,

- 97 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,

- 98 Responses of nitric oxide and hydrogen sulfide in regulating oxidative defence system in wheat plants grown under cadmium stress**

- 98 KAYA CENGİZ, Ashraf Muhammad, Alyemeni Mohammed Nasser, Ahmad Parvaiz  
Physiologia Plantarum,
- 99 **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,
- 10 **Responses of the tomato *Lycopersicon esculentum* Mill plant to exposure to different salt forms and rates**  
0 YOKAŞ İBRAHİM,TUNA ATILLA LEVENT,BÜRÜN BETÜL,ALTUNLU HAKAN,KAYA CENGİZ  
TURKISH JOURNAL OF AGRICULTURE AND FORESTR,
- 10 **Responses of tomato cultivars grown to fruit harvest stage under zinc stress in glasshouse conditions**  
1 KAYA CENGİZ,Higgs DAVID,Burton AGNETA  
Journal of Plant Nutrition,
- 10 **Role of L-Cysteine Desulhydrase in Epibrassinolide-Induced Tolerance to Boron Toxicity in Pepper (*Capsicum annuum* L.) Plants**  
2 KAYA CENGİZ  
Journal of Plant Growth Regulation,<http://link.springer.com/10.1007/s00344-020-10149-6>
- 10 **Salicylic acid interacts with other plant growth regulators and signal molecules in response to stressful environments in plants**  
3 KAYA CENGİZ, UĞURLAR FERHAT, Ashraf Muhammad, Ahmad Parvaiz  
PLANT PHYSIOLOGY AND BIOCHEMISTRY,<https://www.sciencedirect.com/science/article/abs/pii/S0981942823000803>
- 10 **Salicylic acid-induced hydrogen sulphide improves lead stress tolerance in pepper plants by upraising the ascorbate-glutathione cycle**  
4 KAYA CENGİZ  
Physiologia Plantarum,<http://dx.doi.org/10.1111/ppl.13159>
- 10 **Salicylic acid-induced nitric oxide enhances arsenic toxicity tolerance in maize plants by upregulating the ascorbate-glutathione cycle and glyoxalase system**  
5 KAYA CENGİZ,Ashraf Muhammad,Ahmad Parvaiz,Alyemeni Mohammed Nasser,Corpas Francisco  
Journal of Hazardous Materials,<https://linkinghub.elsevier.com/retrieve/pii/S0304389420310098>
- 10 **Short term relationships between membrane permeability and growth parameters in three tomato cultivars grown at low and high zinc**  
6 KAYA CENGİZ,Higgs David  
Journal of Plant Nutrition,<http://www.tandfonline.com/doi/abs/10.1080/01904160009382108>
- 10 **Silicon Improves Salinity Tolerance in Wheat Plants**  
7 Tuna LEVENT, KAYA CENGİZ, HIGGS DAVID  
Environmental and Experimental Botany,
- 10 **Silicon is dependent on hydrogen sulphide to improve boron toxicity tolerance in pepper plants by regulating the AsA-GSH cycle and glyoxalase system**  
8 KAYA CENGİZ,Ahmad Parvaiz,Ashraf Muhammad,Al-Huqail Asma A,Al-Huqail Asma A  
Chemosphere,<https://linkinghub.elsevier.com/retrieve/pii/S004565352031434X>

- 10  
9 **Sodium hydrosulfide-mediated upregulation of nitrogen metabolism improves drought stress tolerance in pepper plants**  
KAYA CENGİZ, Shabala Sergey  
ENVIRONMENTAL AND EXPERIMENTAL BOTANY,<http://dx.doi.org/10.1016/j.envexpbot.2023.105305>
- 11  
0 **Sodium hydrosulfite together with silicon detoxifies arsenic toxicity in tomato plants by modulating the AsA-GSH cycle**  
KAYA CENGİZ, Ashraf Muhammad  
Environmental Pollution,<http://dx.doi.org/10.1016/j.envpol.2021.118608>
- 11  
1 **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,
- 11  
2 **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,
- 11  
3 **Supplementary phosphorus can alleviate boron toxicity in tomato**  
KAYA CENGİZ,TUNA ATILLA LEVENT,DİKİLİTAŞ MURAT,Ashraf Muhammed,Koskeroglu Sultan,GÜNERİ MURAT  
SCIENTIA HORTICULTURAE,
- 11  
4 **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>
- 11  
5 **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>
- 11  
6 **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,
- 11  
7 **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,
- 11  
8 **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>
- 11  
9 **The effects of calcium sulphate on growth, membrane stability and nutrient uptake of tomato plants grown under salt stress**

- 11 9 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 0 **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 1 **The effects of sulfur cattle and poultry manure addition on soil phosphorus**  
SÖNMEZ OSMAN, Turan Veysel, KAYA CENGİZ  
Turkish Journal of Agriculture and Forestry,
- 12 2 **The Effects of Supplementary Potassium and Phosphorus on Physiological Development and Mineral Nutrition of Cucumber and Pepper Cultivars Grown at High Salinity NaCl**  
KAYA CENGİZ, KIRNAK HALİL, HIGGS DAVID  
Journal of Plant Nutrition,
- 12 3 **The endogenous L-cysteine desulfhydrase and hydrogen sulfide participate in supplemented phosphorus-induced tolerance to salinity stress in maize (Zea mays) plants**  
KAYA CENGİZ, Ashraf Muhammad  
TURKISH JOURNAL OF BOTANY,
- 12 4 **THE EVALUATION OF DIFFUSIVE GRADIENTS IN THIN FILMS DGT AND CaCl<sub>2</sub> EXTRACTION ON PHOSPHORUS ZINC INTERACTION IN SUDAN GRASS**  
SÖNMEZ OSMAN, PIERZYNSKI Gary, KAYA CENGİZ, AYDEMİR SALİH  
Pakistan Journal of Botany,
- 12 5 **The influence of arbuscular mycorrhizal colonisation on key growth parameters and fruit yield of pepper plants grown at high salinity**  
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SCIENTIA HORTICULTURAE,
- 12 6 **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 Parvaiz  
Chemosphere, <http://dx.doi.org/10.1016/j.chemosphere.2022.136678>
- 12 7 **The mechanism of hydrogen sulfide mitigation of iron deficiency-induced chlorosis in strawberry (Fragaria × ananassa) plants**  
KAYA CENGİZ, Ashraf Muhammad  
Protoplasma, <http://link.springer.com/10.1007/s00709-018-1298-x>
- 12 8 **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 Parvaiz  
Environmental Pollution, <http://dx.doi.org/10.1016/j.envpol.2022.120229>

- ## Bildiriler (YOKSIS)

- 1 Aminolevulinic acid improves salinity induced photo protection mechanisms in two corn cultivars differing in salinity tolerance**  
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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](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](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](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](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](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](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**  
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- 9 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](http://ziraat.harran.edu.tr/assets/uploads/other/files/ziraat/files/Dekanl%C4%B1k/KONGRELER/IGAC_PROCEEDINGS_S2_compressed.pdf)
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(ICOEST) , [www. icoest.eu](http://www.icoest.eu)
- 11 **Organic and Bio-health Agriculture Produce and Development**  
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conference, “The Belt and Road” Bio-health Agriculture ,
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1. INTERNATIONAL GAP AGRICULTURE AND LIVESTOCK CONGRESS ,
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- 19** 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](http://ziraat.harran.edu.tr/assets/uploads/other/files/ziraat/files/Dekanl%C4%B1k/KONGRELER/IGAC_PROCEEDINGS_S2_compressed.pdf)