

# Simultaneous application of salicylic acid and calcium in contrasting tomato (*Solanum lycopersicum*) cultivars

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Citation Report

| #  | ARTICLE                                                                                                                                                                                                                                                   | IF   | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Differential tolerance of 3 self-rooted Citrus limon cultivars to NaCl stress. <i>Plant Physiology and Biochemistry</i> , 2015, 97, 196-206.                                                                                                              | 5.8  | 8         |
| 2  | Nitrogen availability regulates proline and ethylene production and alleviates salinity stress in mustard ( <i>Brassica juncea</i> ). <i>Journal of Plant Physiology</i> , 2015, 178, 84-91.                                                              | 3.5  | 237       |
| 3  | Salicylic acid differently impacts ethylene and polyamine synthesis in the glycophyte <i>Solanum lycopersicum</i> and the wild-related halophyte <i>Solanum chilense</i> exposed to mild salt stress. <i>Physiologia Plantarum</i> , 2016, 158, 152-167.  | 5.2  | 68        |
| 4  | Combined effect of foliar-applied salicylic acid and deficit irrigation on physiological-anatomical responses, and yield of squash plants under saline soil. <i>South African Journal of Botany</i> , 2016, 106, 8-16.                                    | 2.5  | 57        |
| 5  | Does Salicylic Acid (SA) Improve Tolerance to Salt Stress in Plants? A Study of SA Effects On Tomato Plant Growth, Water Dynamics, Photosynthesis, and Biochemical Parameters. <i>OMICS A Journal of Integrative Biology</i> , 2016, 20, 180-190.         | 2.0  | 72        |
| 6  | Evaluating the Importance of Proline in Cadmium Tolerance and Its Interaction with Phytohormones. , 2016, , 129-153.                                                                                                                                      |      | 4         |
| 7  | Interactive salt-Alkali stress and exogenous Ca <sup>2+</sup> effects on growth and osmotic adjustment of <i>Lolium multiflorum</i> in a coastal estuary. <i>Flora: Morphology, Distribution, Functional Ecology of Plants</i> , 2017, 229, 92-99.        | 1.2  | 10        |
| 8  | Effects of heat stress on changes in physiology and anatomy in two cultivars of <i>Rhododendron</i> . <i>South African Journal of Botany</i> , 2017, 112, 338-345.                                                                                        | 2.5  | 27        |
| 9  | Exogenous application of calcium silicate improves salt tolerance in two contrasting tomato ( <i>Solanum lycopersicum</i> ) cultivars. <i>Journal of Plant Nutrition</i> , 2017, 40, 673-684.                                                             | 1.9  | 12        |
| 10 | Salicylic acid to decrease plant stress. <i>Environmental Chemistry Letters</i> , 2017, 15, 101-123.                                                                                                                                                      | 16.2 | 138       |
| 11 | Salicylic acid and fish flour pre-treatments affect wheat phenolic and flavonoid compounds, lipid peroxidation levels under salt stress. <i>Cereal Research Communications</i> , 2017, 45, 192-201.                                                       | 1.6  | 8         |
| 12 | Salicylic acid and calcium pretreatments alleviate the toxic effect of salinity in the Oueslati olive variety. <i>Scientia Horticulturae</i> , 2018, 233, 349-358.                                                                                        | 3.6  | 38        |
| 13 | Ameliorative role of salicylic acid and spermidine in the presence of excess salt in <i>Lycopersicon esculentum</i> . <i>Photosynthetica</i> , 2018, 56, 750-762.                                                                                         | 1.7  | 24        |
| 14 | Physiological Responses of <i>Matricaria chamomilla</i> to Potassium Nitrate Supply and Foliar Application of Ethephon. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 360-369.                                                                    | 5.1  | 3         |
| 15 | Postharvest Attributes of Washington Navel Orange as Affected by Preharvest Foliar Application of Calcium Chloride, Potassium Chloride, and Salicylic Acid. <i>International Journal of Fruit Science</i> , 2018, 18, 68-84.                              | 2.4  | 12        |
| 16 | Effects of exogenously applied salicylic acid and putrescine alone and in combination with rhizobacteria on the phytoremediation of heavy metals and chickpea growth in sandy soil. <i>International Journal of Phytoremediation</i> , 2018, 20, 405-414. | 3.1  | 45        |
| 17 | The validity of carbon isotope discrimination as a screening criterion for grain yield in two barley landraces under deficit irrigation with saline water in southern Tunisia. <i>Plant Biotechnology</i> , 2018, 35, 193-206.                            | 1.0  | 12        |
| 18 | Changes in Photosynthetic Pigments, Total Phenolic Content, and Antioxidant Activity of <i>Salvia coccinea</i> Buc <sup>TM</sup> hoz Ex Etl. Induced by Exogenous Salicylic Acid and Soil Salinity. <i>Molecules</i> , 2018, 23, 1296.                    | 3.8  | 41        |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Early Events in Plant Abiotic Stress Signaling: Interplay Between Calcium, Reactive Oxygen Species and Phytohormones. <i>Journal of Plant Growth Regulation</i> , 2018, 37, 1033-1049.                                                                                              | 5.1 | 78        |
| 20 | Hydrogen peroxide-induced salt tolerance in relation to antioxidant systems in pistachio seedlings. <i>Scientia Horticulturae</i> , 2019, 243, 207-213.                                                                                                                             | 3.6 | 47        |
| 21 | Phytohormones Regulate Accumulation of Osmolytes Under Abiotic Stress. <i>Biomolecules</i> , 2019, 9, 285.                                                                                                                                                                          | 4.0 | 412       |
| 22 | Evaluation of Glycosyl-Hydrolases, Phosphatases, Esterases and Proteases as Potential Biomarker for NaCl-Stress Tolerance in <i>Solanum lycopersicum</i> L. Varieties. <i>Molecules</i> , 2019, 24, 2488.                                                                           | 3.8 | 12        |
| 23 | Interactive effect of salinity stress and foliar application of salicylic acid on some physiochemical traits of chicory ( <i>Cichorium intybus</i> L.) genotypes. <i>Scientia Horticulturae</i> , 2019, 258, 108810.                                                                | 3.6 | 9         |
| 24 | Salicylic acid alleviates arsenic and zinc toxicity in the process of reserve mobilization in germinating fenugreek ( <i>Trigonella foenum-graecum</i> L.) seeds. <i>South African Journal of Botany</i> , 2019, 124, 235-243.                                                      | 2.5 | 21        |
| 25 | Salicylic acid induces amelioration of chromium toxicity and affects antioxidant enzyme activity in <i>Sorghum bicolor</i> L.. <i>International Journal of Phytoremediation</i> , 2019, 21, 293-304.                                                                                | 3.1 | 29        |
| 26 | Effects of calcium and phosphorus enrichment on yield and physiological characteristics of <i>Salicornia persica</i> under different salinity levels. <i>Journal of Plant Nutrition</i> , 2019, 42, 971-981.                                                                        | 1.9 | 3         |
| 27 | Effectiveness of different methods of salicylic acid application on growth characteristics of tomato seedlings under salinity. <i>Chemical and Biological Technologies in Agriculture</i> , 2019, 6, .                                                                              | 4.6 | 87        |
| 28 | Exogenous salicylic acid increases the heat tolerance in Tomato ( <i>Solanum lycopersicum</i> L) by enhancing photosynthesis efficiency and improving antioxidant defense system through scavenging of reactive oxygen species. <i>Scientia Horticulturae</i> , 2019, 247, 421-429. | 3.6 | 146       |
| 29 | Modulation of growth performance and coordinated induction of ascorbate-glutathione and methylglyoxal detoxification systems by salicylic acid mitigates salt toxicity in choysum ( <i>Brassica</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50                                          | 3.6 | 146       |
| 30 | Positive impact of vermicompost leachate on salt stress resistance in tomato ( <i>Solanum lycopersicum</i> ) Tj ETQq1 1 0,784314 rgBT /Overlock 10 Tf 50                                                                                                                            | 3.7 | 82        |
| 31 | Bell pepper production under saline stress and fertigation with different K <sup>+</sup> /Ca <sup>2+</sup> ratios in a protected environment. <i>Acta Scientiarum - Agronomy</i> , 0, 42, e42498.                                                                                   | 0.6 | 3         |
| 32 | Physiological and biochemical markers for screening salt tolerant quinoa genotypes at early seedling stage. <i>Journal of Plant Interactions</i> , 2020, 15, 27-38.                                                                                                                 | 2.1 | 18        |
| 33 | Physiological changes of <i>Mentha pulegium</i> in response to exogenous salicylic acid under salinity. <i>Scientia Horticulturae</i> , 2020, 267, 109325.                                                                                                                          | 3.6 | 29        |
| 34 | Physiochemical and molecular responses of salt-stressed lemon balm ( <i>Melissa officinalis</i> L.) to exogenous protectants. <i>Acta Physiologiae Plantarum</i> , 2020, 42, 1.                                                                                                     | 2.1 | 9         |
| 35 | CaCl <sub>2</sub> pretreatment improves gamma toxicity tolerance in microalga <i>Chlorella vulgaris</i> . <i>Ecotoxicology and Environmental Safety</i> , 2020, 192, 110261.                                                                                                        | 6.0 | 14        |
| 36 | Modifications of water status, growth rate and antioxidant system in two wheat cultivars as affected by salinity stress and salicylic acid. <i>Journal of Plant Research</i> , 2020, 133, 549-570.                                                                                  | 2.4 | 22        |

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|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Salicylic Acid and Calcium Signaling Induce Physiological and Phytochemical Changes to Improve Salinity Tolerance in Red Amaranth ( <i>Amaranthus tricolor</i> L.). <i>Journal of Soil Science and Plant Nutrition</i> , 2020, 20, 1759-1769.                               | 3.4 | 24        |
| 38 | Salicylic acid and H <sub>2</sub> O <sub>2</sub> seed priming alleviates Fe deficiency through the modulation of growth, root acidification capacity and photosynthetic performance in <i>Sulla carnos</i> . <i>Plant Physiology and Biochemistry</i> , 2021, 159, 392-399. | 5.8 | 10        |
| 39 | Salicylic Acid (SA): Its Interaction with Different Molecules in the Stress Tolerance Signaling Pathways. <i>Signaling and Communication in Plants</i> , 2021, , 301-323.                                                                                                   | 0.7 | 3         |
| 40 | Salinity differently affects antioxidant content and amino acid profile in two cultivars of <i>Amaranthus cruentus</i> differing in salinity tolerance. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 6211-6219.                                       | 3.5 | 6         |
| 41 | The intricacy of silicon, plant growth regulators and other signaling molecules for abiotic stress tolerance: An entrancing crosstalk between stress alleviators. <i>Plant Physiology and Biochemistry</i> , 2021, 162, 36-47.                                              | 5.8 | 49        |
| 42 | Metabolomics-Guided Elucidation of Plant Abiotic Stress Responses in the 4IR Era: An Overview. <i>Metabolites</i> , 2021, 11, 445.                                                                                                                                          | 2.9 | 11        |
| 43 | Improvement in salt tolerance of <i>Iris pseudacorus</i> L. in constructed wetland by exogenous application of salicylic acid and calcium chloride. <i>Journal of Environmental Management</i> , 2021, 300, 113703.                                                         | 7.8 | 14        |
| 44 | Combined efficiency of salicylic acid and calcium on the antioxidative defense system in two different carbon-fixative turfgrasses under combined drought and salinity. <i>South African Journal of Botany</i> , 2022, 144, 72-82.                                          | 2.5 | 2         |
| 45 | RESPONSE OF SPECKLED SPUR-FLOWER TO SALINITY STRESS AND SALICYLIC ACID TREATMENT. <i>Journal of Ecological Engineering</i> , 0, 16, 68-75.                                                                                                                                  | 1.1 | 5         |
| 46 | Enhancing Salinity Tolerance in Brinjal Plants by Application of Salicylic Acid. <i>Journal of Plant Sciences</i> , 2016, 12, 46-51.                                                                                                                                        | 0.2 | 6         |
| 47 | Ions and Organic Solutes as Implicated in the Ameliorative Effect of Exogenous Application of Calcium on Salt Stressed Tomato ( <i>Lycopersicon esculentum</i> Mill.) Plants. <i>International Journal of Plant &amp; Soil Science</i> , 0, , 200-212.                      | 0.2 | 4         |
| 48 | Soil Salinity, a Serious Environmental Issue and Plant Responses: A Metabolomics Perspective. <i>Metabolites</i> , 2021, 11, 724.                                                                                                                                           | 2.9 | 34        |
| 49 | Protective Effects of Salicylic Acid and Calcium Chloride on Sage Plants ( <i>Salvia officinalis</i> L. and) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 26</i>                                                                                                                 | 3.5 | 9         |
| 50 | Pre-sowing seed treatment with kinetin and calcium mitigates salt induced inhibition of seed germination and seedling growth of choysum ( <i>Brassica rapa</i> var. <i>parachinensis</i> ). <i>Ecotoxicology and Environmental Safety</i> , 2021, 227, 112921.              | 6.0 | 28        |
| 52 | Effect of Foliar Application of Putrescine and Salicylic Acid on Yield, Fruit Quality and Storability of "Flame Seedless" Grape ( <i>Vitis vinifera</i> L.). <i>Journal of Plant Production</i> , 2018, 9, 1203-1214.                                                       | 0.1 | 1         |
| 53 | Implication of Ions and Organic Solutes Accumulation in Amaranth (&lt;i>Amaranthus) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 2335-2353.</i>                                                                                                                                    | 0.8 | 3         |
| 54 | Combined Effect of Salicylic Acid and Calcium Application on Salt-Stressed Strawberry Plants. <i>Russian Journal of Plant Physiology</i> , 2022, 69, 1.                                                                                                                     | 1.1 | 3         |
| 55 | Fennel ( <i>Foeniculum vulgare</i> Mill) Plants Responses to Salicylic Acid Foliar Application as Chemical Priming Agent under Salt Stress. <i>Biology Bulletin</i> , 2021, 48, S45-S53.                                                                                    | 0.5 | 0         |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 56 | Foliar Application of Salicylic Acid on Growth and Yield Components of Tomato Plant Grown under Salt Stress. , 0, , .                                                                                                                                                                            |     | 0         |
| 57 | Enhancement of Photosynthetic Characteristics and Antioxidant Enzyme Activities on Chili Pepper Plants by Salicylic Acid Foliar Application under High Temperature and Drought Stress Conditions. Saengmul Hwan'gyeong Jo'jeol Haghoeji, 2022, 31, 311-318.                                      | 0.8 | 0         |
| 58 | Improvement of Root Yield and Ion Content of Carrot with Exogenous Application Calcium Under Salinity. Gesunde Pflanzen, 0, , .                                                                                                                                                                  | 3.0 | 0         |
| 59 | Protective effects of chitosan based salicylic acid nanocomposite (CS-SA NCs) in grape (Vitis vinifera) Tj ETQq1 1 0.784314 rgBT /Ove                                                                                                                                                            | 3.3 | 24        |
| 60 | Foliar Spray or Root Application: Which Method of Salicylic Acid Treatment is More Efficient in Alleviating the Adverse Effects of Salt Stress on the Growth of Alfalfa Plants, Medicago sativaÅL?. Gesunde Pflanzen, 2023, 75, 2697-2712.                                                       | 3.0 | 4         |
| 61 | Exogenous calcium: Its mechanisms and research advances involved in plant stress tolerance. Frontiers in Plant Science, 0, 14, .                                                                                                                                                                 | 3.6 | 4         |
| 62 | Mitigation of salt stress and stimulation of growth by salicylic acid and calcium chloride seed priming in two barley species. Plant Biosystems, 2023, 157, 758-768.                                                                                                                             | 1.6 | 1         |
| 63 | Enhancement of storage life and maintenance of quality in tomato fruits by preharvest salicylic acid treatment. Frontiers in Sustainable Food Systems, 0, 7, .                                                                                                                                   | 3.9 | 0         |
| 64 | Uncovering the mechanisms of salicylic acid-mediated abiotic stress tolerance in horticultural crops. Frontiers in Plant Science, 0, 14, .                                                                                                                                                       | 3.6 | 3         |
| 65 | Nitrate reductase regulation in wheat seedlings by exogenous nitrate: A possible role in tolerance to salt stress. Journal of Plant Nutrition and Soil Science, 2023, 186, 633-646.                                                                                                              | 1.9 | 0         |
| 66 | Uncovering the Role of Hormones in Enhancing Antioxidant Defense Systems in Stressed Tomato (Solanum lycopersicum) Plants. Plants, 2023, 12, 3648.                                                                                                                                               | 3.5 | 0         |
| 67 | Salt resistance strategies of amaranth salt-resistant mutant lines. International Journal of Plant Physiology and Biochemistry, 2023, 15, 1-12.                                                                                                                                                  | 1.0 | 1         |
| 68 | Exogenous application of salicylic acid via seed soaking improved growth and photosynthetic efficiency by maintaining stomatal organisation, redox homeostasis, and antioxidant defense system in tomato (Solanum lycopersicum L.). Acta Physiologiae Plantarum, 2024, 46, .                     | 2.1 | 0         |
| 69 | Exogenous Application of Ascorbic Acid Mitigates the Adverse Effects of Salt Stress in Two Contrasting Barley Cultivars through Modulation of Physio-Biochemical Attributes, K+/Na+ Homeostasis, Osmoregulation and Antioxidant Defense System. Russian Journal of Plant Physiology, 2023, 70, . | 1.1 | 0         |