بسمه تعالی

نام و نام خانوادگی: مریم رضائیان

آدرس ایمیل: maryamrezayian@ut.ac.ir

تلفن: ۳۶۳۷ ۶۱۱۱ (۰۲۱) ۹۸+

نمابر: ۲۹۹۲ ۶۶۴۹ (۰۲۱) ۹۸+

آدرس: بخش علوم گیاهی، دانشکده زیست شناسی، پردیس علوم، دانشگاه تهران، خیابان انقلاب، صندوق پستی ۶۴۵۵-۱۴۱۵۵، تهران، ایران

مدارک تحصیلی:

لیسانس: زیست شناسی- علوم گیاهی- دانشگاه تهران (۱۳۸۶ تا ۱۳۹۰)

فوق لیسانس: زیست شناسی- فیزیولوژی گیاهی- دانشگاه تهران (۱۳۹۰ تا ۱۳۹۲)

دکتری: زیست شناسی- فیزیولوژی گیاهی- دانشگاه تهران (۱۳۹۲ تا ۱۳۹۶)

دوره های پژوهشی:

دوره پسادکتری در دانشگاه تهران با حمایت بنیاد ملی نخبگان از سال ۱۳۹۷ تا ۱۳۹۸

دوره پسادکتری در دانشگاه تربیت مدرس از تیر ماه ۱۴۰۰ تا ۱۴۰۱

مقالات چاپ شده در نشریات بین المللی

1. **Rezayian, M.** and Zarinkamar, F., 2023. Nitric oxide, calmodulin and calcium protein kinase interactions in the response of Brassica napus to salinity stress. *Plant Biology*, *25*(3), pp.411-419.
2. **Rezayian, M.,** Ebrahimzadeh, H. and Niknam, V., 2023. Metabolic and physiological changes induced by nitric oxide and its impact on drought tolerance in soybean. *Journal of Plant Growth Regulation*, *42*(3), pp.1905-1918.
3. Nasiri, M.H., **Rezayian, M.,** Niknam, V. and Okhovat, A., 2022. Antioxidative and Structural Responses of Melissa officinalis to Salt Stress. *Russian Journal of Plant Physiology*, *69*(7), p.152.

4. Sardari, M., **Rezayian, M.** and Niknam, V., 2022. Comparative Study for the Effect of Selenium and Nano-Selenium on Wheat Plants Grown under Drought Stress. *Russian Journal of Plant Physiology*, *69*(6), pp.1-12.
5. Zarinkamar, F., Moradi, A., MohamadBagheri, N. and **Rezayian, M.,** 2022. Isoleucine treatment of seeds increased the content of 4-hydroxyisoleucine and affected the anatomy properties of Trigonella persica Boiss. At different developmental stages. *Biologia*, pp.1-16.
6. Zarinkamar, F., **Rezayian, M.** and Medhat, R., 2022. Increase of Trigonelline in Trigonella persica Plant under Drought Stress. *Journal of Botanical Research*, *4*(2), pp.19-25.
7. Yektapour, N., **Rezayian, M.,** Niknam, V. and Mirmasoumi, M., 2022. Study of hairy root formation and plant regeneration in Nicotiana tabaccum. *Biologia*, *77*(5), pp.1295-1303.
8. Zarinkamar, F., **Rezayian, M.** and Medhat, R., 2022. Increase of Trigonelline in Trigonella persica Plant under Drought Stress. *Journal of Botanical Research*, *4*(2), pp.19-25.
9. Azad, N., **Rezayian, M.,** Hassanpour, H., Niknam, V. and Ebrahimzadeh, H., 2021. Physiological mechanism of salicylic acid in Mentha pulegium L. under salinity and drought stress. *Brazilian Journal of Botany*, *44*, pp.359-369.
10. **Rezayian, M.,** Ebrahimzadeh, H. and Niknam, V., 2020. Nitric oxide stimulates antioxidant system and osmotic adjustment in soybean under drought stress. *Journal of Soil Science and Plant Nutrition*, *20*, pp.1122-1132.
11. Latef, A.A.H.A., Dawood, M.F., Hassanpour, H., **Rezayian, M.** and Younes, N.A., 2020. Impact of the static magnetic field on growth, pigments, osmolytes, nitric oxide, hydrogen sulfide, phenylalanine ammonia-lyase activity, antioxidant defense system, and yield in lettuce. *Biology*, *9*(7).
12. **Rezayian, M.,** Niknam, V. and Ebrahimzadeh, H., 2020. Penconazole and calcium ameliorate drought stress in canola by upregulating the antioxidative enzymes. *Functional Plant Biology*, *47*(9), pp.825-839.
13. Kohsari, S., **Rezayian, M.,** Niknam, V. and Mirmasoumi, M., 2020. Antioxidative enzymes activities and accumulation of steroids in hairy roots of Trigonella. *Physiology and Molecular Biology of Plants*, *26*, pp.281-288.
14. Mottaki, Z., **Rezayian, M.,** Niknam, V., Ebrahimzadeh, H. and Mirmasoumi, M., 2019. Using hairy roots for production of secondary metabolites in Artemisia. *Plant Biotechnology Reports*, *13*, pp.263-271.
15. Heydari, H., **Rezayian, M.,** Niknam, V. and Ebrahimzadeh, H., 2019. Role of Penconazole in salt stress amelioration in Sesamum indicum L. *Soil Science and Plant Nutrition*, *65*(3), pp.243-250.
16. **Rezayian, M.,** Niknam, V. and Ebrahimzadeh, H., 2019. Different effects of calcium and penconazole on primary and secondary metabolites of Brassica napus under drought. *Physiology and Molecular Biology of Plants*, *25*, pp.497-509.
17. **Rezayian, M.,** Niknam, V. and Faramarzi, M.A., 2019. Antioxidative responses of Nostoc ellipsosporum and Nostoc piscinale to salt stress. *Journal of Applied Phycology*, *31*, pp.157-169.
18. **Rezayian, M.,** Niknam, V. and Ebrahimzadeh, H., 2019. Oxidative damage and antioxidative system in algae. *Toxicology reports*, *6*, pp.1309-1313.
19. **Rezayian, M.,** Niknam, V. and Ebrahimzadeh, H., 2018. Positive effects of Penconazole on growth of Brassica napus under drought stress. *Archives of Agronomy and Soil Science*, *64*(13), pp.1791-1806.

20. **Rezayian, M.,** Niknam, V. and Ebrahimzadeh, H., 2018. Penconazole and calcium improves drought stress tolerance and oil quality in canola. *Soil Science and Plant Nutrition*, *64*(5), pp.606-615.
21. **Rezayian, M.,** Niknam, V. and Ebrahimzadeh, H., 2018. Improving tolerance against drought in canola by penconazole and calcium. *Pesticide biochemistry and physiology*, *149*, pp.123-136.
22. **Rezayian, M.,** Niknam, V. and Ebrahimzadeh, H., 2018. Effects of drought stress on the seedling growth, development, and metabolic activity in different cultivars of canola. *Soil Science and Plant Nutrition*, *64*(3), pp.360-369.

مقالات چاپ شده در نشریات داخلی

1. Shaki, F., **Rezayian, M.,** Ebrahimzadeh Maboud, H. and Niknam, V., 2022. Role of triazolic compounds in underlying mechanisms of plant stress tolerance; a review. *Iranian Journal of Plant Physiology*, *12*(1), pp.3943-3954.
2. Torabzadeh, D., Hassanpour, H., Asgarpanah, J. and **Rezayian, M.,** 2019. Nanoparticles induced antioxidative compounds in Matricaria chamomilla. *Iranian Journal of Plant Physiology*, *9*(4), pp.2955-2961.
3. **Rezayian, M.,** Niknam, V. and Ebrahimzadeh, H., 2019. Stress response in cyanobacteria. *Iranian Journal of Plant Physiology*, *9*(3), pp.2773-2787.
4. **Rezayian, M.,** Niknam, V. and Ebrahimzadeh, H., 2018. Differential responses of phenolic compounds of Brassica napus under drought stress. *Iranian Journal of Plant Physiology*, *8*(3), pp.2417-2425.
5. Mohammadi, B., **Rezayian, M.,** Ebrahimzadeh, H., Hadian, J. and Mirmasoumi, M., 2017. Positive effects of salicylic acid on some biochemical and physiological parameters of Aloysia citrodora under drought stress. *Progress in Biological Sciences*, *7*(2), pp.147-157.
6. **Rezayian, M.,** Niknam, V. and Faramarzi, M.A., 2017. Effect of salinity on some physiological and biochemical responses in the cyanobacterium Synechococcus elongatus. *Progress in Biological Sciences*, *7*(1), pp.67-77.

همایش ها:

1 . Penconazole treatment improves drought stress tolerance in *Brassica napus* L. **Maryam Rezayian** , Vahid Niknam and Hassan Ebrahimzadeh. National Congress on Medical Plants.

2. Penconazole alleviates drought stress in canola plants through modifying some physiological and biochemical parameters. **Maryam Rezayian** , Vahid Niknam and Hassan. Ebrahimzadeh. National Congress on Medical Plants.

فصل کتاب

1. **Chapter title:** Nitric Oxide signaling in plants under drought

2. **Chapter title:** Drought Stress: Involvement of Plant Hormones in Perception, Signaling and Response