

Curriculum Vitae



Name: Alaaelden Hussein Rushdy Abdelhamid Hassan

Date of birth: 25-9-1974

Place of birth: Damanhour – El-Behera Governorate – Arab Republic of Egypt.

Position: Professor - Department of Horticulture - Faculty of Agriculture - Damanhour University

Marital Status: Married

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Career Progression:

- Professor of Vegetables - Department of Horticulture in, 2024.
- Assistant Professor of Vegetables - Department of Horticulture in, 2019.
- Lecturer of vegetables - Department of Horticulture at the Faculty in, 2010.
- Assistant Lecturer in the Department of Horticulture (vegetable crops) at the faculty, 2003.
- Demonstrator at the Faculty, Department of Horticulture, vegetables crops, 1997.

Activities:

- Member of the International Cooperation Office at Damanhour University and responsible for the cooperation file between the university and universities and research centers in China.
- Member of a scientific project in cooperation between Damanhour University and the European Union; the project name is **FarmERs MSCA-SE program**, 2025.
- Worked as a foreign expert in the Yellow River Delta Intelligent Agricultural Machinery Equipment Industry Academy (YRDIA) for six months to participate in solving soil salinity issues in the province.
- Supervising several MSc. and PhD. theses in the department, as well as participating in a committee of judgment and discussing many theses.
- Selected as a reviewer for several scientific research in several international scientific journals such as **Agronomy, Horticulturae, Cells, Sustainability, Scientific Reports, BMC Plant Biology, Organic Agriculture, Biology, and Sci.**
- Participating in the preparation of the scientific content and teaching of all vegetable courses in the Horticulture Department at the Faculty of Agriculture, both for undergraduate and postgraduate students.
- Developing the distinctive administrative and scientific regulations for protected agriculture in the Horticulture Department at the Faculty of Agriculture, Damanhour University (Arabic/English).
- Coordinator of the Faculty of Agriculture - Damanhour University on the Unified Electronic Platform of the Supreme Council of Universities for one year.
- Coordinator of the quality insurance of education in the Department of Horticulture, Faculty of Agriculture - Damanhour University.
- Publishing many scientific research papers, which focused on finding eco-friendly treatments for biotic and abiotic stresses on vegetable crops:
 - Abd El-Mawla, R., Gabr, S., **Alaa El-Den H. Roshdy**, & A. Khader. 2025. The possibility of reducing chemical phosphate fertilization by using mycorrhizal inoculation and seaweed extract foliar spraying and their effects on the growth and yield of snap bean plants. **Journal of Agricultural and Environmental Sciences**, 24 (3): 121-154.
 - **Alaa El-Den H. Roshdy**, G.M. Abd El-Wahab and F.H. Abdel-Hamid. 2023. Impact of using gamma irradiation on germination, growth, yield, and enzymes activity under damping-off disease stress in common bean. **Fayoum J. Agric. Res. Dev.**, Vol. 37, No. (2).
 - **Alaa El-Den H. Roshdy**, and A.A. Khadr. 2023. Potential of chitosan in reducing GA3 doses and their effect on growth, yield, and bulb quality in "Giza Red" onion. **Iraqi Journal of Agricultural Sciences**, Vol. 54, No. (2).
 - **Alaa El-Den H. Roshdy**, G.M. Abd El-Wahab, and S.A. Masoud. 2022. Using salicylic acid, folic acid and/or mancozeb in controlling tomato early blight biotic stress and their effects on growth, yield, fruit quality, and stress-related enzymes. **Iraqi Journal of Agricultural Sciences**, Vol. 53, No (6).
 - Noura Mohammed Taha, and **Alaa El-Den H. Roshdy**. 2021. Growth, chlorophyll, yield and tubers chemical composition, and quality characters of potato cv. Spunta as affected by planting dates and irrigation regimes. **Alexandria Sci. Exchange Journal**, Vol. 42, No (3).

- **Alaa El-Den H. Roshdy**, Abdullah Alebidi, Khalid Almutairi, Rashid Al-Obeed, and Ahmed Elsabagh. 2021. The effect of salicylic acid on the performances of salt stressed strawberry plants, enzymes activity, and salt tolerance index. **Agronomy**, Vol. 11, No (4).
- Gabr, S.M., H.A. EL Khatib, **Alaa El-Den H. Roshdy** and A. Kandel. 2020. Response of potato plants to salicylic and citric acids foliar applications under different salinity levels. **J. Agric. & Env. Sci.; Damanhour Univ.**, Vol. 19 No. (3).
- **Alaa El-Den H. Roshdy** and Noura M. Taha. 2020. Response of squash plants grown under sandy soil and high irrigation water salinity conditions to foliar spray with potassium silicate and inoculation with mycorrhiza. **The Future Journal of Biology**, Vol. 3.
- Hasaan A. Elkhatib, Said M. Gabr, **Alaa El-Den H. Roshdy** and Radi S. Kasiy. 2020. Effects of Different Nitrogen Fertilization Rates and Foliar Application of Humic Acid, Fulvic Acid and Tryptophan on Growth, Productivity and Chemical Composition of Common Bean Plants (*Phaseolus vulgaris* L.). **Alexandria science exchange journal**, Vol. 41, No. (2).
- Abdelbaset A.A. Alkharpotly, **Alaa El-Den Hussein Roshdy**, Emad A.A. Made. 2018. Potato Growth and Yield Attributes as Affected by Boron and Selenium Foliar Application. **Journal of plant production, Mansoura University**, Vol. 9, No. (11).
- **Alaa El-Den H. Roshdy**, Sanaa A. Massoud and Sobhy Abdel Rahiem Hamed. 2018. Potential of streptol and oxolinic acid bactericides to controlling potato erwinia soft rot bacteria and their secondary effects on growth, yield and tubers quality. **Journal of plant Protection and Pathology, Mansoura University**, Vol. 9, No. (8).
- **Alaa El-Den H. Roshdy**. 2018. Influence of mineral fertilization deduction with rhizobium and mycorrhiza dual inoculation on two bean (*phaseolus vulgaris* L.) Cultivars under field conditions. **Fayoum Journal of Agricultural Research and Development**, Vol. 32, No. (2).
- Sary Hassan Mostafa, Ibrahim Ali Aboul Saad and **Alaa El-Den H. Roshdy**. 2018. Growth, yield and nutrient contents of garlic as affected by bio-inoculants and mineral fertilizers. **Journal of Agricultural and Environmental Sciences**, Vol. 17, No. (1).
- Hasaan. A. Elkhatib, Saide. M. Gabr, **Alaa El-Den H. Roshdy** and Mostafa. M. Abd Al-Haleem. 2017. The Impacts of Silicon and Salicylic Acid Amendments on Yield and Fruit Quality of Salinity Stressed Tomato Plants. **Alexandria Science Exchange Journal**, Vol. 38, No. (4).
- Saide. M. Gabr, Hasaan. A. Elkhatib, **Alaa El-Den H. Roshdy** and Rabab F. Abo El-Ali. 2017. Improved productivity and quality using humic and salicylic acid and mycorrhiza applications on common bean plants under nickel stress. **Journal of Agricultural and Environmental Sciences**, Vol. 16, No. (2).
- **Alaa El-Den Husein Roshdy** and Sary Hassan Mostafa. 2016. Possibility of overcoming salt stress of bean (*Phaseolus vulgaris* L.) Plants using some safety materials. **Journal of Agricultural and Environmental Sciences**, Vol. 15, No. (3).
- Sary Hassan Mostafa and **Alaa El-Den Husein Roshdy**. 2016. Effect of humic, fulvic, α -tocopheryl and silicon on the growth, productivity and chemical composition of tomato (*Lycopersicon esculentum* Mill.) Under high temperature climates. **Journal of Agricultural and Environmental Sciences**, Vol. 15, No. (3).
- Work as a consultant in the National Company for Protected Agriculture at Mohamed Naguib base, 2019.
- Presenting a working paper in the Egyptian National Dialogue regarding the axis of agriculture and food security.

Recognition:

- Honorary Professorship, Dongying Vocational College, People's Republic of China, 2024.

- Certificate of appreciation for organizing and as speaker (**Title of lecture:** Management of Greenhouses Environment) from Yellow River Delta Intelligent Agricultural Machinery Equipment Industry Academy (YRDIA), Dongying, Shandong province, People's Republic of China, 9th December, 2024.
- Certificate of Appreciation for participation in a training course entitled: "Travel to Qingdao, Experience the culture of Huanghe River" - "Chinese Bridge" Online. Qingdao Agricultural University, People's Republic of China, December 15 to 24, 2023.
- Certificate of Appreciation for participation in a training course entitled: "Travel to Qingdao, Experience the Culture of Agricultural Machinery" - "Chinese Bridge" Online. Qingdao Agricultural University, People's Republic of China, December 15 to 24, 2022.
- Certificate of completion of the African Union Simulation Model Course at Cairo University under the auspices of the Institute of African Research and Studies and the State Information Service, and obtaining the first place shield in the research presented on African affairs and ways of cooperation between African countries under the title "Ways of Cooperation between Egypt and the African Continent: Mauritius as a Model", 2015.
- Certificate of Appreciation from El-Behera Governorate Rural Development Project - Ministry of Agriculture for the positive scientific participation in the implementation of the training program in the field of organic agriculture, 2014.