

# Candidacy of **ALMERIA**

Organized by:



# ISHS

International Society for Horticultural Science

## X INTERNATIONAL SYMPOSIUM ON SOIL AND SUBSTRATE DISINFESTATION (SD2022)

# SD 2022

This candidacy counts the support of:



Instituto de Investigación y Formación Agraria y Pesquera  
CONSEJERÍA DE AGRICULTURA, PESCA Y DESARROLLO RURAL



LAINCO, S.A. Draslovka



Agroquímicos  
de Levante

ARKEMA  
INNOVATIVE CHEMISTRY



# AGRICULTURAL SYSTEM



Over the past 50 years, Almeria has developed an intensive Agricultural system in the South East of Spain, supplying several countries in Europe and worldwide with high quality fresh vegetable

This agriculture is based on the efficient use of water, fertilizers, seeds, plastics and other factors, leveraging a modern Integrated Crop Management system.

# ALMERIA'S KNOWLEDGE

**Almeria** has the knowledge and know how to maximise profits using quality labour, which has resulted in a tech based agriculture that is **recognized worldwide.**

**I**t is one of the few man made areas on the planet that can be seen from outer space.





# 30,000 hectares of greenhouses

to show and demonstrate the past and present of soil disinfestation advances, and also to highlight the important challenges intensive agriculture is facing in terms of sustainability and food hygiene/safety.



“

**3.290 M kg**

Fresh vegetables



**3.000 M€**

Exports of vegetables



**+ 2.000 M€**

Associated industries  
along the value chain



**Almeria's growers** are efficiently organized in several cooperatives providing operational, technical and marketing support to the associates, critical for expanding the export markets.

After a successful SD2018  
in Crete, Greece, we consider  
**Almeria** to be the best  
place to hold the:

**X INTERNATIONAL  
SYMPOSIUM ON SOIL AND  
SUBSTRATE  
DISINFESTATION (SD2022)**

**ALMERIA, SPAIN  
5-9 JUNE 2022**



Possible places for the event:



## CONGRESS PALACE AGUADULCE

Capacity: **1.380**

<http://almeriaferiasycongresos.com/el-palacio/>

Other possible places:

[Hotel Envia Golf](http://hotelenvialmeria.com/)  
<http://hotelenvialmeria.com/>  
[NH Hoteles Almeria](https://www.nh-hoteles.es/hotel/nh-ciudad-de-almeria)  
<https://www.nh-hoteles.es/hotel/nh-ciudad-de-almeria>



## CONGRESS PLACE UNIVERSITY OF ALMERIA

Capacity: **704**

<https://www.ual.es/>

[Hotel AC Almeria](https://achotels.marriott.com/es/hotels/ac-hotel-almeria)  
<https://achotels.marriott.com/es/hotels/ac-hotel-almeria>

We have the complete infrastructure with a local Airport, well connected with Madrid and Barcelona, many hotels and Congress facilities in Aguadulce. This has been the site of important past conferences such as ExpoAgro, and hosts InfoAgro presently.



**Madrid**

**Barcelona**

**ALMERIA**



We believe that Almeria represent a clear example of evolving production system and an ideal location for SD 2022.

Convener would be Miguel de Cara from IFAPA, Almeria, Andalucia. He is one of the most recognized scientist in soil disinfestation in the región.

Miguel de Cara García, PhD

IFAPA-Centro La Mojonera

Tel: +034 655646984

Email: franciscom.cara@juntadeandalucia.es



Enlace researchgate:

[https://www.researchgate.net/profile/Miguel\\_De\\_Cara](https://www.researchgate.net/profile/Miguel_De_Cara)



JUNTA DE ANDALUCÍA

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**CERTIS**



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# REFERENCE BOOKS

A dark, artistic photograph of a microscope with a blue overlay. The microscope is positioned diagonally, with the objective lens pointing towards the bottom right. The background is blurred, showing the various components of the microscope like the eyepiece, objective lenses, and the stage. The overall tone is professional and scientific.

García-García MC, Céspedes-López AJ, Pérez-Parra JJ, Lorenzo-Mínguez P, 2016. El sistema de producción hortícola protegido de la provincia de Almería. Consejería de agricultura, pesca y desarrollo rural de Andalucía, Sevilla, Spain.

Valera DL, Belmonte LJ, Molina FD, López-Martínez A, 2014. Los invernaderos de Almería. Análisis de su tecnología y rentabilidad. Cajamar, Caja Rural. Almería, Spain.

# SCIENTIFIC STUDIES OF SOIL DISINFECTION IN THE REGION

Boix-Ruiz, A., Ibáñez-Salvador, M., García-Raya, P., Ruiz-Olmos, C., Gómez-Tenorio, M.A., Marín-Guirao, J.I., Camacho-Ferre, F. and Tello-Marquina, J.C. (2018). Solarization to control *Fusarium oxysporum* f. sp. *radicis-lycopersici* on different substrates. *Acta Hortic.* 1207, 211-216

Gómez-Tenorio M.A., Zanón M.J., De Cara M., Lupión B., Tello J.C. (2015). Efficacy of dimethyl disulfide (DMDS) against *Meloidogyne* sp. and three formae speciales of *Fusarium oxysporum* under controlled conditions. *Crop protection*, 78:263-269.

Gómez-Tenorio M.A., Tello J.C., Zanón M.J., De Cara M. (2018). Soil disinfestation with dimethyl disulfide (DMDS) to control *Meloidogyne* and *Fusarium oxysporum* f. sp. *radicis-lycopersici* in a tomato greenhouse. *Crop protection*, 112:133-140.

Gómez-Tenorio, M.A., Lupión-Rodríguez, B., Boix-Ruiz, A., Ruiz-Olmos, C., Marín-Guirao, J.I., Tello-Marquina, J.C., Camacho-Ferre, F. and de Cara-García, M. (2018). *Meloidogyne*-infested tomato crop residues are a suitable material for biodisinfestation to manage *Meloidogyne* sp. in greenhouses in Almería (south-east Spain). *Acta Hortic.* 1207, 217-222

# SCIENTIFIC STUDIES OF SOIL DISINFECTION IN THE REGION

Gonzalez-Torres, R., Meléro-Vara, J. M., Gómez-Vázquez, J. And Díaz, R. M. (1993), The effects of soil solarization and soil fumigation on Fusarium wilt of watermelon grown in plastic house in south-eastern Spain. Plant Pathology, 42: 858-864.

[http://www.ias.csic.es/rmjimenez/docs/articulos/Gonzalez\\_Torres,Melero,Gomez-Vazquez,Jimenez-Diaz.1993.PlantPathology.pdf](http://www.ias.csic.es/rmjimenez/docs/articulos/Gonzalez_Torres,Melero,Gomez-Vazquez,Jimenez-Diaz.1993.PlantPathology.pdf)

Granados, M.R., Bonachela, S., Hernández, J., López, J.C., Magán, J.J., Baeza, E.J., Gázquez, J.C. and Pérez-Parra, J.J. (2012). SOIL TEMPERATURES IN A MEDITERRANEAN GREENHOUSE WITH DIFFERENT SOLARIZATION STRATEGIES. Acta Hortic. 927, 747-753

[https://www.researchgate.net/publication/284135165\\_Soil\\_temperatures\\_in\\_a\\_mediterranean\\_greenhouse\\_with\\_different\\_solarization\\_strategies](https://www.researchgate.net/publication/284135165_Soil_temperatures_in_a_mediterranean_greenhouse_with_different_solarization_strategies)

Marín-Guirao J. I., Tello J. C., Díaz M., Boix A., Ruiz C. A., Camacho F. (2016) Effect of greenhouse soil bio-disinfection on soil nitrate content and tomato fruit yield and quality. Soil Research 54, 200-206.

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# SCIENTIFIC STUDIES OF SOIL DISINFECTION IN THE REGION

Pérez, A., Gómez, J. (2017). Eficacia de la solarización, solarización mixta y biosolarización para eliminar patógenos. *Vida Rural*, 431, 54-63.

Pérez-Hernández A, Martín-Expósito E, Giménez M, Fernández-Fernández MM, Gómez J (2014). Eficacia de la biosolarización del suelo en el control de patógenos en cultivos enarenados. *Vida Rural* 378:24-30

Pérez-Hernández, A., Porcel-Rodríguez, E., and Gómez-Vázquez, J. (2017). Survival of *Fusarium solani* f. sp. *cucurbitae* and Fungicide Application, Soil Solarization, and Biosolarization for Control of Crown and Foot Rot of Zucchini Squash. *Plant Disease* 101, 1507-1514.

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