



PERSONAL INFORMATION



Giuseppina Pennisi

 Via Aglebert, 21, Bologna, Italy

 +39 3933795999

 giuseppina.pennisi@unibo.it

 Skype contact: giuseppina.pennisi

Sex Female | Date of birth 08/04/1986 | Nationality Italian

WORK EXPERIENCE

- 11/2020 – 11/2023 **Junior assistant professor**
Department of agricultural and food sciences, Bologna University
- 04/2016 – 11/2020 **Research grant**
Department of agricultural and food sciences, Bologna University
- 03/2019 – 09/2019 **Visiting scientist at Universidad Politecnica de Cartagena (6 months)**
Cartagena, Spain
- 26/06/2018 – 26/09/2018 **Visiting scientist at Wageningen University and Research (3 months)**
Wageningen, the Netherlands
- 05/2016 **Visiting scientist at Universidad Politecnica de Cartagena (1 month)**
Cartagena, Spain
- 01/2014 – present **Manager for urban agricultural projects**
Association BIODIVERCITY, Bologna

EDUCATION

- 10/2016 – 09/2019 **PhD in Agricultural, Forest and Food Sciences**
University of Turin
Thesis on : LED lighting for indoor cultivation of leafy vegetables and herbs. **Excellent cum laude**
- 10/2016 – 09/2019 **PhD in Técnicas Avanzadas en Investigación y Desarrollo Agrario y Alimentario**
Universidad Politecnica de Cartagena
Thesis on : LED lighting for indoor cultivation of leafy vegetables and herbs. **Subresaliente cum laude**
- 12/2013 – 03/2016 **Master degree in Agricultural Sciences and Technologies**
ALMA MATER STUDIORUM – University of Bologna, School of Agriculture and Veterinary Medicine
Thesis on: Strategies for reducing heavy metal contamination risk in allotment gardens. **110/110 cum laude**

Agronomy, Horticulture, Genetics, Plant Pathology, Entomology
- 09/2010 – 12/2013 **Bachelor degree in Marketing and Economics of the agro-industrial systems**
ALMA MATER STUDIORUM – University of Bologna, School of Agriculture and Veterinary Medicine
Thesis on: Sistemi fuorisuolo per l'orticoltura in città: casi studio nella città di Bologna (Soilless systems for urban horticulture: case studies from the city of Bologna, in Italian), **110/110 cum laude**

Rural economics, Marketing, Horticulture, Field crops, Entomology

09/1999 – 07/2004

Secondary school

Liceo Ginnasio Statale “Gulli e Pennisi”, Acireale (CT), **94/100**

TRAINING

04/2020 – 05/2020

Course on Introduction to sustainability

University of Illinois
Sustainability, ecology, LCA

12-14/02/2018

Course on Lighting in Greenhouses and Vertical Farms

Wageningen University and Research
LED lighting systems, Indoor farming

08/2016 – 02/2017

Urban Green Train Transnational Pilot course in urban agriculture

Department of Agricultural Sciences –ALMA MATER STUDIORUM – University of Bologna

Urban Horticulture, Biodiversity, Ecosystem services

11/2015

Training school on Urban Agriculture

Agricultural University of Athens
Urban Horticulture, Biodiversity, Ecosystem services-

06/2013 – 12/2013

Training school on Urban Horticulture for Social Inclusion and Socialisation (HORTIS)

ALMA MATER STUDIORUM – University of Bologna, School of Agriculture and Veterinary Medicine
Urban horticulture, Project design and Management

PERSONAL SKILLS

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Attendance to the course of Academic English Skills organized by the University of Bologna in 2019					
Spanish	B2	B2	B1	B1	B1
French	B1	B1	B1	B1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Organizational skills

Part of the organizing committee of:
- VIII International Conference on Landscape and Urban Horticulture, Catania, Italy, 2-5 March 2021
- Giornate Scientifiche SOI (Società di Orto-Floro-Frutticoltura Italiana), Bologna, Italy, 19-22 June 2018
- International Symposium on Greener Cities for More Efficient Ecosystem Services in a Climate Changing World, Bologna, Italy, 12-15 September 2017

Tutor of the UrbanFarm international student challenge

Computer skills Excellent command of Word™, PowerPoint™, Excel™ and Internet. Good command of R statistical tool and basic knowledge of HTML and Python languages.

Driving license B

ADDITIONAL INFORMATION

Involvement in International Project

FoodE (Food systems in europeand cities), H2020, 2020-2024, GA 862663
 INNOFARMING (Innovative Indoor Farming Applications for Future Urban Farmers), EU (Erasmus+ KA2), 2019-2020, 2019-1-FR01-KA202-062337
 BUGI (Western Balkans Urban Agriculture Initiative), EU (Erasmus+ EAC), 2017-2020, EAC/A03/2016-586304-EPP-1-2017-1-BA-EPPKA2-CBHE-JP
 GardensToGrow (Urban Horticulture for Innovative and Inclusive Early Childhood Education), EU (Erasmus+ KA2), 2017-2019, KA2-2017-1-IT02-KA201-036449
 Urban Green Train (Urban Green Education for Enterprising Agricultural Innovation), EU (Erasmus+ KA2), 2014-2017, 2014-1-IT02-KA200-003689
 VERTIFARM 1st ISHS International Workshop on Vertical Farming, Wageningen, 13-15 October 2019
 HORTI-THERAPY Nature-based rehabilitation, Venice, Italy, 2-4 October 2019
 XI International Symposium on Protected Cultivation in Mild Climate Winter, Tenerife, Spain, 27-31 January 2019
 XXX International Horticultural Congress, Istanbul, Turkey, 12-16/08/2018
 XII Giornate Scientifiche SOI, Boogna, Italy, 19-21 June 2018
 Plant control by LED light, Wageningen University & Research, The Netherlands, 19 October 2017
 International Symposium on Greener Cities for More Efficient Ecosystem Services in a Climate Changing World, Bologna, Italy, 11-15 September 2017
 Entrepreneurship and urban agriculture : what skills to succeed? Urban Green Train final international conference, Paris, France 10-11 July 2017
 Urban Green Train: pillole di innovazione in agricoltura urbana per aspiranti imprenditori, Bologna, Italy, 9 June 2017
 Education for urban agriculture and urban green entrepreneurship, Almere, The Netherlands, 30 March 2017
 SHE2016. III International Symposium on Horticulture in Europe, Chania, Greece, 17-21 October 2016
 Giornate Scientifiche Società Italiana di Orto-Floro-Frutticoltura, Bolzano, Italy, 14-16 September 2016
 Growing in Cities, Basel, Switzerland, 9-10 September 2016
 PTEs contamination in soil-water- plant systems: remediation processes, Imola, Italy, 8-9 June 2016
 Trafoon Training Workshop – La gestione dell’acqua nella coltivazione dei prodotti orticoli, Bologna, Italy, 27 May 2016
 Allotment gardens in European Cities, Thessaloniki, Greece, 16-19 March 2016.
 Irrimed2015, Bari, Italy, 25-27 September 2015.
 International Workshop on Plant Physiology in the Urban Environment, Pisa, Italy, 23 June 2014.

Presentation to International Symposium and Conferences

Pennisi, G. Growing indoor for the winter garden. HORTI THERAPY – Nature based rehabilitation. 2-5/10/2019, Venice, Italy. **Oral presentation.**
Pennisi, G., Orsini, F., Nicola, S., Gianquinto. Salt stress in hydroponically grown lettuce is alleviated by greenhouse white plastic covering film and exogenous proline application. XI International Symposium on Protected Cultivation in Mild Winter Climates. 27-31/01/2019, Tenerife, Spain. **Oral presentation.**
Pennisi, G., Orsini, F., Genovesi, E., Centinaro, M., Crepaldi, A., Blasioli, S., Braschi, I., Spinelli, F., Cellini, A., Nicola, S., Fernandez, J.A., Gianquinto, G. Improved Red and blue ratio in LED lighting for indoor cultivation of leafy vegetables. XXX International Horticultural Congress. 12-16/08/2018, Istanbul, Turkey. **Oral presentation.**
Pennisi, G., Magrefi, F., Michelon, N., Bazzocchi, G., Orsini, F., Gianquinto, G. Promoting education and training in urban agriculture building on international projects at the Research Centre on Urban Environment for Agriculture and Biodiversity. XXX International Horticultural Congress. 12-16/08/2018, Istanbul, Turkey. **Oral presentation.**
 Calone, R., Pennisi, G., Morgenstern, R., Rambla, C., Sanyè-Mengual, E., Lorleberg, W., Dapprich, P., Orsini, F., Giaquinto, G. Water use efficiency in a small scale aquaponic system in continental

Europe. XXX International Horticultural Congress. 12-16/08/2018, Istanbul, Turkey. **Poster presentation.**

Michelon, N., Pennisi, G., Vastola, F., Padula, R., Orsini, F., Gianquinto, G. Drought stress affects yield, water use efficiency and quality parameters in hybrid and open pollinated lines of tomato (*Solanum Lycopersicon* L.). XXX International Horticultural Congress. 12-16/08/2018, Istanbul, Turkey. **Poster presentation.**

Pennisi, G. La sostenibilità delle indoor farms: coltivare con illuminazione artificiale a LED. SustUrbanFoods Project, Bologna, 25/05/2018, Bologna, Italy. **Oral presentation.**

Pennisi, G., Orsini, F., Accorsi, M., Crepaldi, A., Blasioli, S., Braschi, I., Spinelli, F., Cellini, A., Nicola, S., Gianquinto, G. Different Red:Blue ratios in LED lighting affect productivity, nutritional and physiological parameters of indoor hydroponically grown lettuce. International Symposium on Greener Cities for More Efficient Ecosystem Services in a Climate Changing World. 11-15/09/2017, Bologna, Italy. **Oral presentation.**

Pennisi, G., Orsini, F., Vittori antisari, L., Vianello, G., Gianquinto, G. Strategies fore reducing heavy metal accumulation in urban-grown food. Growing in Cities. 9-10/09/2016, Basel, Switzerland. **Oral presentation.**

Pennisi, G., Gasperi, D., Mancarella, S., Orsini F., Gianquinto, G. Soilless systems to reduce heavy metals accumulation in urban grown vegetables. PTEs contamination in water-soil-plant systems: remediation processes. 8-9/06/2016, Imola, Italy. **Poster presentation.**

Short courses

Substrati per le colture orto-floro-vivaistiche in contenitore e in fuorisuolo, Bologna, Italy, January 27-29, 2016. (1 ECTS)

L'agricoltura multifunzionale, Bologna, Italy, June 17-19, 2015. (1 ECTS)

Le api e gli altri apoidei per l'impollinazione delle piante coltivate e spontanee, la biodiversità e il biomonitoraggio ambientale, Bologna, Italy, June 10-12, 2015. (1 ECTS)

Patogeni e nematodi agenti di alterazione radicale delle colture agrarie, Bologna, Italy, June 3-5, 2015. (1 ECTS)

Serre: tecnologie innovative per il controllo e la gestione del clima e della ventilazione, Bologna, Italy, February 18-20, 2015. (1 ECTS)

Fertirrigazione e soluzioni nutritive utilizzando fertilizzanti idrosolubili semplici e complessi NPK, Bologna, Italy, February 4-6, 2015. (1 ECTS)

L'irrigazione a goccia delle colture agrarie, Bologna, Italy, January 21-23, 2015. (1 ECTS)

Progettazione e gestione di orti comunitari urbani, Bologna, Italy, June 12-14, 2014. (1 ECTS)

Invasione di insetti esotici nocivi all'agricoltura: analisi dei rischi nel contesto dei cambiamenti climatici e della globalizzazione, Bologna, Italy, June 5-7, 2014. (1 ECTS)

Cambiamento climatico e agricoltura: tecniche di adattamento, Bologna, Italy, May 29-31, 2014. (1 ECTS)

Awards

Best poster presentation at the "PTEs contamination in soil-water- plant systems: remediation processes" conference for the paper entitled "Sistemi fuorisuolo per limitare l'accumulo di metalli pesanti in ortaggi coltivati in città".

SOI award for young researcher, at the XII Giornate Scientifiche SOI for the paper entitled " Soilless system on peat reduce trace metals in urban-grown food: unexpected evidence for a soil origin of plant contamination".

ISHS young mind award for the presentation entitled "Promoting education and training in urban agriculture building on international projects at the Research Centre on Urban Environment for Agriculture and Biodiversity".

Editorial activity

Peer review activity for Environmental Science & Technology, Scientia horticulturae, Frontiers in Plant Science, Agronomy for sustainable development.

Main Publications

Full papers

- Orsini F., Pennisi G., Zulfiqar F., Gianquinto G. (Accepted). Sustainable use of resources in indoor farms with artificial lighting. **European Journal of Horticultural Science**, 85:297-309. DOI: .17660/eJHS.2020/85.5.1 |
- Orsini F., Pennisi G., Michelon N., Minelli A., Bazzocchi G., Sanyé-Mengual E., Gianquinto G. (2020). Features and functions of urban agriculture in the Global North: a review. **Frontiers in Sustainable Food Systems**, 4:228. DOI: 10.3389/fsufs.2020.562513
- Pennisi G., Orsini F., Landolfo M., Pistillo A., Crepaldi A., Nicola S., Fernández J.A., Marcelis L.F.M., Gianquinto G. (2020). Optimal photoperiod for indoor cultivation of leafy vegetables and herbs. **European Journal of Horticultural Science**, 85:329-338. DOI: 10.17660/eJHS.2020/85.5
- Paucek I., Pennisi G.*, Pistillo A., Appolloni E., Crepaldi A., Calegari B., Spinelli F., Cellini A., Orsini F., Gianquinto G. (2020). Supplementary LED interlighting improves yield and precocity of greenhouse tomatoes in the Mediterranean. **Agronomy**, 10:1002. DOI:10.3390/agronomy10071002
- Pennisi G., Pistillo A., Orsini F., Cellini A., Spinelli F., Nicola S., Fernandez J.A., Crepaldi A., Gianquinto G., Marcelis L.F.M. (2020). Optimal light intensity for sustainable water and energy use in indoor cultivation of lettuce and basil under red and blue LEDs. **Scientia Horticulturae**, 272:109508. DOI:10.1016/j.scienta.2020.109508:
- Michelon N., Pennisi G., Myint, N.O., Orsini F., Gianquinto, G. (2020). Strategies for improved water use efficiency (WUE) of field-grown lettuce (*Lactuca sativa* L.) under a semi-arid climate. **Agronomy**, 10:668. DOI:10.3390/agronomy10050668
- Pennisi G., Pistillo A., Orsini F., Gianquinto G., Fernandez J.A., Crepaldi A, Nicola S. (2020). Improved Red and Blue ratio in LED lighting for indoor cultivation of basil. **Acta Horticulturae**, 1271:115-118. DOI: 10.17660/ActaHortic.2020.1271.16
- Orsini F., Pennisi G., D'Alessandro A., Kratochvilova D., Steffan G., Paoletti M., Sabbatini G., D'Ostuni M., Trombadore A., Gianquinto G. (Accepted). Bridging interdisciplinary knowledge for sustainable urban landscapes: results from the international student competition UrbanFarm2019. **Acta Horticulturae**.
- Gianquinto G., Orsini F., Pennisi G.*, Bona S. (2019). Sources of variation in assessing canopy reflectance of processing tomato by means of multispectral radiometry. **Sensors**, 19:4730. DOI:10.3390/s19214730
- Pennisi G., Orsini F., Blasioli S., Cellini A., Crepaldi A., Braschi I., Spinelli F., Nicola S., Fernandez J.A., Stanghellini C., Gianquinto G., Marcelis L.F., (2019). Resource use efficiency of indoor lettuce (*Lactuca sativa* L.) cultivation as affected by red:blue ratio provided by LED lighting. **NATURE Scientific Reports**, 9:1-11. DOI: 10.1038/s41598-019-50783-z.
- Pennisi G., Sanyé-Mengual E., Orsini F., Crepaldi A., Nicola S., Ochoa J., Fernandez J.A., Gianquinto G. (2019). Modelling environmental burdens of indoor-grown vegetables and herbs as affected by red and blue LED lighting. **Sustainability**, 11:4063. DOI: 10.3390/su11154063.
- Calone R., Pennisi G., Morgenstern R., Sanyé-Mengual E., Lorieberg W., Dappric, P., Winkler P., Orsini F., Gianquinto G. (2019). Improving water management in European catfish recirculating aquaculture systems through catfish-lettuce aquaponics. **Sciences of the Total Environment**, 687:759-767. DOI: 10.1016/j.scitotenv.2019.06.167
- Pennisi G., Blasioli S., Cellini A., Maia L., Crepaldi A., Braschi I., Spinelli F., Nicola S., Fernández J.A., Stanghellini C., Marcelis L.F., Orsini F., Gianquinto G. (2019). Unravelling the role of red:blue LED lights on resource use efficiency and nutritional properties of indoor grown sweet basil. **Frontiers in Plant Science**, 10:305. DOI: 10.3389/fpls.2019.00305
- Pennisi G., Magrefi F., Michelon N., Bazzocchi G., Maia L., Orsini F., Sanyé-Mengual E., Gianquinto G. (2018). Promoting education and training in urban agriculture building on international projects at the Research Centre on Urban Environment for Agriculture and Biodiversity. **Acta Horticulturae**, 1279:45-52. DOI: 10.17660/ActaHortic.2020.1279.7
- Sanyé-Mengual E., Specht K., Krikser T., Vanni C., Pennisi G., Orsini F., Gianquinto G. (2018). Social acceptance and perceived ecosystem services of urban agriculture in southern Europe: the case of Bologna, Italy. **PlosOne**, 13:1-21. DOI: 10.1371/journal.pone.0200993
- Orsini F., Pennisi G., Mancarella S., Al Nayef M., Sanoubar R., Nicola S., Gianquinto G. (2018). Hydroponic lettuce yields are improved under salt stress by utilizing white plastic film and exogenous applications of proline. **Scientia Horticulturae**, 233:283-293. DOI: 10.1016/j.scienta.2018.01.019
- Pennisi G., Gasperi D., Mancarella S., Vittori Antisari L., Vianello G., Orsini F., Gianquinto G. (2018). Soilless cultivation in urban gardens for reduced potentially toxic elements (PTEs) contamination risk. **Acta horticulturae**, 1189:377-381. DOI:10.17660/ActaHortic.2017.1189.72
- Mancarella S., Pennisi G., Gasperi D., Loges V., do Nascimento C.W.A., Vittori Antisari L., Vianello G., Orsini F., Gianquinto G. (2018) Metal(oid)s contamination in rural and urban vegetable gardens of Teresina (Brazil). **Acta horticulturae**, 1189:465-468. DOI:10.17660/ActaHortic.2017.1189.92
- Bazzocchi G.G., Pennisi G., Frabetti A., Orsini F., Gianquinto G. (2018) Abundance, migration and distribution of *Coccinella septempunctata* (Coleoptera Coccinellidae) in a highly biodiverse urban

- garden. **Acta horticultrae**, 1189:501-504. DOI:10.17660/ActaHortic.2017.1189.100
- Pennisi G., Orsini F., Gasperi D., Mancarella S., Sanoubar R., Vittori Antisari L., Vianello G., Gianquinto G. (2016). Soilless system on peat reduce trace metals in urban-grown food: unexpected evidence for a soil origin of plant contamination **Agronomy for Sustainable Development**, 36:56. DOI: 10.1007/s13593-016-0391-9
- Gasperi D., Pennisi G., Rizzati N., Magrefi F., Bazzocchi G., Mezzacapo U., Centrone Stefani M., Sanyé-Mengual E., Orsini F., Gianquinto, G. (2016). Towards Regenerated and Productive Vacant Areas through Urban Horticulture: Lessons from Bologna, Italy. **Sustainability**, 8:1347. DOI: 10.3390/su8121347
- Fernández J.A., Niñirola D., Ochoa J., Orsini F., Pennisi G., Gianquinto G., Egea-Gilabert C. (2016). Root adaptation and ion selectivity affects the nutritional value of salt-stressed hydroponically grown baby-leaf *Nasturtium officinale* and *Lactuca sativa*. **Agricultural and Food Science**, 25:230-239.
- Mancarella S., Pennisi G., Gasperi D., Marchetti L., Loges V., Orsini F., Gianquinto G., Vianello G., Vittori Antisari L. (2016) Antimony accumulation risk in lettuce grown in Brazilian urban gardens. **EQA-International Journal of Environmental Quality**, 20:35-47. DOI: 10.6092/issn.2281-4485/6306
- Orsini F., Pennisi G., Gianquinto G. (2016). Simplified soilless systems for water efficient urban gardening. **COST Allotment Gardens in European Cities**, Project report, pp 26-31

Under review

- Appolloni E., Orsini F., Specht K., Thomaier S., Sanyé-Mengual E., Pennisi G., Gianquinto G. The Global rise of Urban Rooftop Agriculture. **Nature Food**.

Book chapters and books

- Pennisi G., Pistillo A., Appolloni E., Orsini F., Gianquinto G. (Accepted). Advanced hydroponics design for plant cultivation in cities. In: "Advances in horticultural soilless culture".
- Centrone Stefani, M., Orsini, F., Magrefi, F., Sanyé-Mengual, E., Pennisi G., Michelon, N., Bazzocchi, G., Gianquinto, G. 2018. Toward the Creation of Urban Foodscapes: Case Studies of Successful Urban Agriculture Projects for Income Generation, Food Security, and Social Cohesion. In: "Urban Horticulture. Sustainability for the Future" Springer, The Netherlands ISBN 978-3-319-67016-4 pp. 91-106
- Pennisi G., Cremonini L., Georgiadis, T. eds. (2018). *Acta Horticulturae: Proceedings of the International Symposium on Greener Cities for More Efficient Ecosystem Services in a Climate Changing World*. 474 pp. ISBN: 978-9462612129.

Abstracts in symposium proceedings

- Pennisi G., Pistillo A., Orsini F., Nicola S., Fernandez J.A., Crepaldi A., Marcellis L.F.M., Gianquinto G. Optimal light intensity for sustainable water and energy use in indoor cultivation of leafy vegetables and herbs under red and blue LEDs. IX International Symposium on Light in Horticulture, Malmo, 8-12 June, 2020. Accepted.
- Pennisi G., Pistillo A., Crepaldi A., Giorgioni M.E., Minelli A., Orsini F., Gianquinto G. Influence of red:blue ratio in LED lighting for indoor cultivation of edible marigold flowers. IX International Symposium on Light in Horticulture, Malmo, 8-12 June, 2020. Accepted.
- Orsini F., Pennisi G., Paucek I., Pistillo A., Crepaldi A., Gianquinto G. Effect of supplementary red and blue LED interlighting on greenhouse-grown tomatoes during spring in the Mediterranean. IX International Symposium on Light in Horticulture, Malmo, 8-12 June, 2020. Accepted.
- Pennisi G., Pistillo A., Montefiori F., Orsini F., Nicola S., Fernandez J.A., Crepaldi A., Gianquinto G. Optimal red:blue LED lighting ratio for a sustainable indoor cultivation of rocket and chicory. IX International Symposium on Light in Horticulture, Malmo, 8-12 June, 2020. Accepted.
- Michelon N., Pennisi G., Ohn Myint N., Orsini F., Gianquinto, G. Effect of mulching and water supply on Lettuce (*Lactuca sativa*) yield under drip irrigation in a semi-arid climate area. III Asian Horticultural Congress - AHC2020, Bangkok, 7-9 May, 2020. Submitted.
- Orsini F., Pennisi G., D'Alessandro A., Kratochvilova D., Steffan G., Paoletti M., Sabbatini G., D'Ostuni M., Trombadore A., Gianquinto G. Bridging interdisciplinary knowledge for sustainable urban landscapes: results from the international student competition UrbanFarm2019. I International Symposium on Botanical Gardens and Landscapes, Bangkok, 2-4 December, 2019. Accepted.
- Michelon N., Pennisi G., Ohn Myint N., Orsini F., Gianquinto G. Uso de solução nutritiva para a produção de mudas de alface e couve-chinesa em ambiente semiárido da região central do Mianmar. V Jornada Científica – Embrapa Meio Norte "AG Tech Meio-Norte Inovação para o Agro, Teresina, 3-5 September, 2019. In press.
- Michelon N., Pennisi G., Ohn Myint N., Orsini F., Gianquinto G. Water use efficiency in drought stressed lettuce (*Lactuca sativa*) in the central dry zone of Myanmar. XXII convegno nazionale di agrometeorologia, Napoli, 11-13 June, 2019, pp.68

- Michelon N., Pennisi G., Ohn Myint N., Orsini F., Gianquinto G. Water use efficiency in drought stressed lettuce (*Lactuca sativa*) in the central dry zone of Myanmar. Convegno AISSA#UNDER40, San Donà di Piave (VE), 16-17 May, 2019. In press.
- Pennisi G., Orsini, F., Nicola S., Gianquinto G. (2019). Salt stress in hydroponically grown lettuce is alleviated by greenhouse white plastic covering film and exogenous proline application. XI International Symposium on Protected Cultivation in Mild Winter Climates, Tenerife, 27-31 January, 2019, pp.13
- Pennisi G., Magrefi F., Michelon N., Bazzocchi G., Orsini F., Gianquinto G. (2018). Promoting education and training in urban agriculture building on international projects at the Research Centre on Urban Environment for Agriculture and Biodiversity. XXX International Horticultural Congress, Istanbul, 12-16 August, 2018. Accepted.
- Sanyè-Mengual E., Specht K., Krikser T., Pennisi G., Orsini F., Gianquinto G. (2018). Societal evaluation of the ecosystem services of urban agriculture in Bologna. XXX International Horticultural Congress, Istanbul, 12-16 August, 2018. Accepted.
- Pennisi G., Orsini F., Genovesi E., Centinaro M., Crepaldi A., Blasioli S., Braschi I., Spinelli F., Cellini A., Nicola S., Fernandez J.A., Gianquinto G. (2018). Improved Red and blue ratio in LED lighting for indoor cultivation of leafy vegetables. XXX International Horticultural Congress, Istanbul, 12-16 August, 2018. Accepted.
- Michelon N., Pennisi G., Vastola F., Padula R., Orsini F., Gianquinto G. (2018). Drought stress affects yield, water use efficiency and quality parameters in hybrid and open pollinated lines of tomato (*Solanum Lycopersicon* L.). XXX International Horticultural Congress, Istanbul, 12-16 August, 2018.
- Calone R., Pennisi G., Morgenstern R., Rambla C., Sanyè-Mengual E., Lorieberg W., Daprich P., Orsini F., Gianquinto G. (2018). Water use efficiency in a small scale aquaponic system in continental Europe. XXX International Horticultural Congress, Istanbul, 12-16 August, 2018. Accepted.
- Specht K., Sanyè-Mengual E., Krikser T., Orsini F., Pennisi G., Gianquinto G. (2017) Forms and products of urban agriculture in Bologna: a survey on demands, preferences, and social acceptability, International Symposium on Greener Cities for More Efficient Ecosystem Services in a Climate Changing World, Bologna, Italy, 11-15 September, 2017, pp.99
- Bazzocchi G., Magagnoli S., Pennisi G., Orsini F., Gianquinto G. (2017) Coccinellidae species richness in a highly biodiverse urban garden in Bologna (Italy), International Symposium on Greener Cities for More Efficient Ecosystem Services in a Climate Changing World, Bologna, Italy, 11-15 September, 2017, pp.132
- Magrefi F., Geoffriau E., Kahane R., Pölling B., Orsini F., Pennisi G., Bazzocchi G., Renting H., Hoekstra F., Morgenstern R., Dubbeling M., Lorieberg W., Gianquinto G. (2017) Training pioneering entrepreneurs in Urban Agriculture: a model of curriculum based on the URBAN GREEN TRAIN project experience, International Symposium on Greener Cities for More Efficient Ecosystem Services in a Climate Changing World, Bologna, Italy, 11-15 September, 2017, pp.203
- Pennisi G., Orsini F., Accorsi M., Crepaldi A., Blasioli S., Braschi I., Spinelli F., Cellini A., Nicola S., Gianquinto G. (2017) Different Red:Blue ratios in LED lighting affect productivity, nutritional and physiological parameters of indoor hydroponically grown lettuce, International Symposium on Greener Cities for More Efficient Ecosystem Services in a Climate Changing World, Bologna, Italy, 11-15 September, 2017, pp. 119
- Sanyè-Mengual E., Morgenstern R., Calone R., Daprich P., Lorieberg W., Pennisi G., Orsini F., Gianquinto G. (2017) Assessing the environmental footprint and the water-energy-food nexus of aquaponics systems. Book of Abstracts, ISIE-ISSST 2017 Joint Conference, Chicago, USA, 25-29 June, 2017. In press
- Sanoubar R., Pennisi G., Orsini F., Salvatorelli F., Cellini A., Ventura F., Spinelli F., Noli, E., Blasioli S., Braschi I., Gianquinto G. (2016) Water use efficiency of hybrid vs open pollinated tomato (*Lycopersicon esculentum*) genotypes. Book of Abstracts, III International Symposium on Horticulture in Europe – SHE 2016, Chania, Greece, 17 – 21 October, 2016, pp. 172
- Pennisi G., Gasperi D., Mancarella S., Vittori Antisari L., Vianello G., Orsini F., Gianquinto G. (2016). Heavy metal contamination risk in urban gardens as affected by cultivation practices. Book of Abstracts, 6th International Conference on Landscape and Urban Horticulture, Athens, 20-25 June 2016, pp 65
- Mancarella S., Pennisi G., Gasperi D., Vittori Antisari L., Vianello G., Orsini F., Gianquinto G. (2016). Heavy metal contamination in rural and urban gardens of Brazil. Book of Abstracts, 6th International Conference on Landscape and Urban Horticulture, Athens, 20-25 June 2016, pp. 149
- Pennisi G., Orsini F., Vittori Antisari L., Vianello G., Gianquinto G. (2016). Strategies for reducing heavy metal accumulation in urban-grown food. Proceedings of Growing in Cities, Basel, Switzerland, 9-10 September 2016, pp. 70
- Pennisi G., Gasperi D., Mancarella S., Vittori Antisari L., Vianello G., Orsini F., Gianquinto G. (2016). Tecniche per ridurre la contaminazione da metalli pesanti in orti urbani. Proceedings of “Giornate Scientifiche Società Italiana di Orto-Floro-Frutticoltura, Bolzano, Italy, 14-16 September 2016, pp. 34

- Mancarella S., Pennisi G., Gasperi D., Vittori Antisari L., Vianello G., Orsini F., Gianquinto G. (2016). Contaminazione da metalli pesanti in orti urbani in Brasile. Proceedings of "Giornate Scientifiche Società Italiana di Orto-Floro-Frutticoltura, Bolzano, Italy, 14-16 September 2016, pp. 33
- Mancarella S., Pennisi G., Della Pia E., Accorsi M., Orsini F., Gianquinto G. (2015). Adaptability of edible crops in Mediterranean extensive green roofs, Proceedings of Irrimed2015, Bari, 25-27 September 2015, pp. 54

Dissertations

- Pennisi G., Nicola S., Fernández J.A. (2019). PhD Thesis on: LED lighting for indoor cultivation of leafy vegetables and herbs. University of Turin, 180 pp.
- Pennisi G., Gianquinto G., Vittori Antisari L., Orsini F. (2016). Master Thesis on: Strategies for reducing heavy metal contamination risk in allotment gardens. Bologna University, 136 pp.
- Pennisi G., Gianquinto G., Marchetti L., Orsini F. (2013). Sistemi fuorisuolo per l'orticoltura in città: casi studio nella città di Bologna (Soilless systems for urban horticulture: case studies from the city of Bologna, in Italian), Bologna University, 57 pp.

Scopus[®]

Documents by author: 24
Total citations: 138
h-index: 8

SCOPUS ID: 57191281876

<https://www.scopus.com/authid/detail.uri?authorId=57191281876>



ORCID ID: 0000-0001-9377-4811

<https://orcid.org/0000-0001-9377-4811>

Bologna, 24/11/2020

Giuseppina Pennisi