

PERSONAL INFORMATION



Giovanni Russo

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Sex Male | Date of birth 20/08/1963 | Nationality Italian

POSITION

confirmed researcher at Dept. DISAAT, University of Bari "Aldo Moro"

STUDIES APPLIED FOR

Master Degree in Civil Engineering

WORK EXPERIENCE

- 2015 He has the requisite qualifications for the role of full professor for the Sector 07 / C1 - Agricultural Engineering, Forestry and Biosystems. Contest of 2013 (DD 161/2013)
- 2014 He has the requisite qualifications for the role of Associate Professor for the Sector 07 / C1 - Agricultural Engineering, Forestry and Biosystems. Contest of 2012 (DD n. 222/2012).
- (1993-2015) Researcher  
Dept. DISAAT, University of Bari "Aldo Moro"  
structural aspects of agricultural buildings and equipments, greenhouse temperature simulation models and lighting systems, physical properties of greenhouse plastic covering materials, LCA (Life Cycle Assessment) and safety at work in greenhouse.
- (1990 - 1992) CNR (Research National Council) fellowship researcher in Agricultural Engineering  
University of Bari  
Mathematical models on the thermal behaviour of the greenhouses

EDUCATION AND TRAINING

- 2008 Participation project F.I.O.R.I. - Training for research and innovation., Bari, Italy  
CRUI Foundation
- 1991 Corso di formazione su spettrofotometria FT-IR  
Perkin - Elmer, Monza, Italia
- 1990 Professional qualification for the exercise of the profession of engineer.
- (1984 - 1990) Degree in Civil Engineering, Hydraulics section,  
University of Bari

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1/2	C1/2	B1/2	B1/2	C1/2
Replace with name of language certificate. Enter level if known.					

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

**Communication skills** ▪ good communication skills acquired during my experience of university teacher, participation in research projects with public and private national and international partners, congress activities in Italy and by the foreigner, teaching for doctorate, master and postgraduate schools.

**Organisational / managerial skills** ▪ good organizational and management skills acquired through the scientific responsibility or participation in work teams for national and international research and cooperation projects.

**Job-related skills** ▪ Experience in: evaluation of the mechanical and radiometric properties of plastics material for agriculture, disposal and recycling of organic waste and composting, environmental analysis of the production processes in agriculture, use of renewable energy for greenhouse crops.

**Computer skills** Replace with your computer skills. Specify in what context they were acquired. Example:  
▪ good command of Microsoft Office™ tools  
▪ good command of environmental analysis software (LCA Life Cycle Assessment)  
▪ good command for the calculation of structures for civil engineering software  
▪ Use of for thematic mapping software (GIS Geographical Information systems)

**Other skills**  
2009 – 2012 Participation and / or Responsibility for cooperation projects:  
▪ Participation in project "Construction of a pedestrian crossing on the river Kitheno" district of Meru (Kenya), D.R. n. 1219/2009, Activities regional direction - Annual Programme 2009, art. XX - Puglia Region. cod. R/4/4/2009

2012 - 2014 ▪ Direction of project "Construction of a water purifier for the Meru Herbs Meru (Kenya) L.R.n. 20/2003 "Cooperation partnership" - Annual program 2012 cod. R/4/2/2012

**Driving licence** ▪ A and B

## ADDITIONAL INFORMATION

### Publications

Papers in International Journals (IJ)

- IJ 1 2018 Mastroiilli Marcello, Rana Gianfranco, Verdiani Giuseppe, Tedeschi Giuseppe, Fumai Antonio, Russo Giovanni. Economic evaluation of hydrological ecosystem services in Mediterranean river basins applied to a case study in southern Italy. WATER, vol. 10, p. 1-16, ISSN: 2073-4441, doi: 10.3390/w10030241
- IJ 2 2016 Giovanni Russo · Giuseppe Verdiani · Alexandros Sotirios Anifantis Re-Use of Agricultural Biomass for Nurseries Using Proximity Composting. Contemporary Engineering Sciences, 9 (24):1151 – 1182.
- IJ 3 2014 Russo G, Vivaldi G. A., De Gennaro B., Camposeo S. Environmental sustainability of different soil management techniques in a high-density olive orchard. JOURNAL OF CLEANER PRODUCTION, ISSN: 0959-6526, doi: 10.1016/j.jclepro.2014.06.064
- IJ 4 2014 Russo G, Anifantis A., Verdiani G., Scarascia Mugnozza G. (2014). Environmental analysis of geothermal heat pump and LPG greenhouse heating systems. BIOSYSTEMS ENGINEERING, vol. 127, p. 11-23, ISSN: 1537-5110, doi: 10.1016/j.biosystemseng.2014.08.002.
- IJ 5 2013 De Lucia B., Cristiano G., Vecchietti L., Rea E., Russo G. (2013) Nursery growing media: agronomic and environmental quality assessment of sewage sludge-based compost. APPLIED AND ENVIRONMENTAL SOIL SCIENCE, ISSN: 1687-7667, doi: 10.1155/2013/565139
- IJ 6 L. Vecchietti , B. De Lucia, G. Russo, E. Rea, A. Leone, (2013) Environmental and agronomic evaluation of containerized substrates develop from sewage sludge compost for ornamental plant production, Acta Hortic., 1013, 431-439 DOI: 10.17660/ActaHortic.2013.1013.54
- IJ 7 2012 ANIFANTIS A, CANZIO G, CRISTIANO G, DE LUCIA ZELLER B, IMMIRZI B, MALINCONICO M, SANTAGATA G, RUSSO G (2012). Influence of the Use of Drip Irrigation Systems and Different Mulching Materials on Ornamental Sunflowers in Greenhouse Cultivation. ACTA HORTICULTURAE, vol. 952, p. 385-392, ISSN: 0567-7572
- IJ 8 2011 Russo G, De Lucia B, Vecchietti L, Rea E, Leone A (2011). Environmental and agronomical analysis of different compost-based peat-free substrates in potted rosemary. ACTA HORTICULTURAE, vol. 891, p. 265-272, ISSN: 0567-7572
- IJ 9 2008 RUSSO G, SCARASCIA MUGNOZZA G, DE LUCIA ZELLER B (2008). ENVIRONMENTAL IMPROVEMENTS OF GREENHOUSE FLOWER CULTIVATION BY MEANS OF LCA METHODOLOGY. ACTA HORTICULTURAE, vol. 801, p. 301-308, ISSN: 0567-7572
- IJ 10 2008 RUSSO G, DE LUCIA ZELLER B (2008). Environmental evaluation by means of LCA regarding the

- ornamental nursery production in rose and sowbread greenhouse cultivation. ACTA HORTICULTURAE, vol. 801/2, p. 1597-1604, ISSN: 0567-7572
- IJ 11 2008 RUSSO G, BUTTOL P, TARANTINI M (2008). LCA (Life Cycle Assessment) of roses and cyclamens in greenhouse cultivation. ACTA HORTICULTURAE, vol. 801, p. 359-366, ISSN: 0567-7572
- IJ 12 2008 S. CASTELLANO, G. SCARASCIA MUGNOZZA, RUSSO G, D. BRIASSOULIS, A. MISTRIOTIS, S. HEMMING, D. WAAIJENBERG (2008). Plastic Nets in Agriculture: A General Review of Types and Applications. APPLIED ENGINEERING IN AGRICULTURE, vol. 24 (6), p. 799-808, ISSN: 0883-8542
- IJ 13 2008 CASTELLANO S, HEMMING S, RUSSO G (2008). The Influence of Colour on Radiometric Performances of Agricultural Nets. ACTA HORTICULTURAE, vol. Acta Hort. 801, ISHS 2008, p. 227-236, ISSN: 0567-7572
- IJ 14 2007 RUSSO G, DE LUCIA ZELLER B, SCARASCIA MUGNOZZA G (2007). LCA methodology application in flower protected cultivation. ACTA HORTICULTURAE, vol. 761, p. 625-632, ISSN: 0567-7572
- IJ 15 2006 CASTELLANO S, RUSSO G, SCARASCIA MUGNOZZA G (2006). The influence of construction parameters on radiometric performances of agricultural nets. ACTA HORTICULTURAE, vol. 718, p. 283-290, ISSN: 0567-7572
- IJ 16 2005 RUSSO G, SCARASCIA MUGNOZZA G (2005). LCA methodology applied to various typology of greenhouses. ACTA HORTICULTURAE, vol. 691 (2), p. 837-843, ISSN: 0567-7572
- IJ 17 2005 RUSSO G, CANDURA A, SCARASCIA MUGNOZZA G (2005). Soil Solarization with biodegradable plastic films: Two years of experimental tests. ACTA HORTICULTURAE, vol. 691, p. 717-724, ISSN: 0567-7572
- IJ 18 2000 VON ELSNER B, BRIASSOULIS D, WAAIJENBERG D, MISTRIOTIS A, VON ZABELTITZ CHR, GARTRAUD J, RUSSO G, SUAY-CORTES R (2000). Review of Structural and Functional Characteristics of Greenhouses in European Union Countries: Part I Design Requirements. JOURNAL OF AGRICULTURAL ENGINEERING RESEARCH, vol. 75 , p. 1-16, ISSN: 0021-8634, doi: 10.1006/jaer.1999.0502
- IJ 19 2000 VON ELSNER B, BRIASSOULIS D, WAAIJENBERG D, MISTRIOTIS A, VON ZABELTITZ CHR, GARTRAUD J, RUSSO G, SUAY-CORTES R (2000). Review of Structural and Functional Characteristics of Greenhouses in European Union Countries: Part II, Typical Designs Requirements. JOURNAL OF AGRICULTURAL ENGINEERING RESEARCH, vol. 75 N.2, p. 111-126, ISSN: 0021-8634, doi: 10.1006/jaer.1999.0512

## Papers in National Journals (NJ)

- NJ 1. 2013 Russo G, Verdiani G . (2013). Production and reuse of waste in rural area with high density of greenhouses. JOURNAL OF AGRICULTURAL ENGINEERING, vol. XLIV, p. 240-246, ISSN: 2239-6268, doi: 10.4081/jae.2013.(s2):e48
- NJ 2. 2012 Pascuzzi S, Russo G, Scarascia Mugnozza G, Verdiani G (2012). Sanitary risk analysis for farm workers exposed to environmental pollutants. JOURNAL OF AGRICULTURAL ENGINEERING, vol. XLIII, p. 139-143, ISSN: 2239-6268, doi: 10.4081/jae.2012.e21
- NJ 3. 2012 Russo G, Verdiani G. (2012). THE HEALTH RISK OF THE AGRICULTURAL PRODUCTION IN POTENTIALLY CONTAMINATED SITES: AN ENVIRONMENTAL – HEALTH RISK ANALYSIS. JOURNAL OF AGRICULTURAL ENGINEERING, vol. volume XLIII, p. 95-102, ISSN: 1974-7071
- NJ 4. 2012 Russo G, Verdiani G. (2012). The health risk of the agricultural products grown in potentially contaminated sites: proposal of an environmental – health risk analysis. JOURNAL OF AGRICULTURAL ENGINEERING, vol. XLIII, p. 95-102, ISSN: 2239-6268, doi: 10.4081/jae.2012.e15
- NJ 5. 2011 Scarascia Mugnozza G, Sica C, Russo G (2011). Plastic materials in European agriculture: actual use and perspectives. JOURNAL OF AGRICULTURAL ENGINEERING, vol. 17, p. 15-28, ISSN: 1974-7071
- NJ 6. 2010 CASTELLANO S, HEMMING S, RUSSO G, MOHAMMADKHKHANI V, SWINKELS G.J. G, SCARASCIA MUGNOZZA G. (2010). Radiometric properties of agricultural permeable coverings. JOURNAL OF AGRICULTURAL ENGINEERING, vol. 41, p. 1-12, ISSN: 1974-7071
- NJ 7. 2008 CASTELLANO S, SCARASCIA MUGNOZZA G., RUSSO G, BRIASSOULIS D, MISTRIOTIS A, HEMMING S, WAAIJENBERG D (2008). Design and Use Criteria of Netting Systems for Agricultural Production in Italy. JOURNAL OF AGRICULTURAL ENGINEERING, vol. 3, p. 31-42, ISSN: 1974-7071
- NJ 8. 2004 RUSSO G, SCARASCIA MUGNOZZA G, FRISULLO S (2004). Solarizzazione del terreno in pieno campo con film sperimentali e biodegradabili. COLTURE PROTETTE, vol. 4, p. 81-89, ISSN: 0390-0444
- NJ 9. 1999 CANDURA A, SCARASCIA MUGNOZZA G, RUSSO G, VOX G (1999). Modello numerico di solarizzazione e prove con film fotodegradabile. COLTURE PROTETTE, vol. 3, p. 79-86, ISSN: 0390-0444
- NJ 10. 1996 VOX G, RUSSO G (1996). Norme di qualità anche per le serre. COLTURE PROTETTE, vol. 1, p. 33-38, ISSN: 0390-0444
- NJ 11. 1995 BIANCHI A, SCARASCIA MUGNOZZA G, RUSSO G, VOX G (1995). Caratteristiche tecnologiche e costruttive degli edifici per la lavorazione dei prodotti ortofrutticoli destinati alla IV Gamma. RIVISTA DI INGEGNERIA AGRARIA, vol. 18, p. 247-262, ISSN: 0304-0593
- NJ 12. 1995 SCARASCIA MUGNOZZA G, FIUME G, RUSSO G (1995). Criteri di illuminazione nei fabbricati per l'allevamento intensivo dell'agnello da carne. RIVISTA DI INGEGNERIA AGRARIA, vol. 3, p. 155-161, ISSN: 0304-0593
- NJ 13. 1994 SCARASCIA MUGNOZZA G, RUSSO G, VOX G (1994). Sistema autoadattativo di controllo per serre. COLTURE PROTETTE, vol. 3, p. 89-93, ISSN: 0390-0444
- NJ 14. 1993 SCARASCIA MUGNOZZA G, RUSSO G (1993). Metodologia di calcolo per l'illuminazione in serra. COLTURE PROTETTE, vol. 1, p. 81-86, ISSN: 0390-0444
- NJ 15. 1993 SCARASCIA MUGNOZZA G, RUSSO G, VOX G (1993). Trasmissione nell'I.R. lungo dei film per serre. COLTURE PROTETTE, vol. 3, p. 69-73, ISSN: 0390-0444
- NJ 16. 1992 SCARASCIA MUGNOZZA G, PICUNO P, RUSSO G (1992). Analisi del microclima interno di apprestamenti protetti in relazione alla temperatura della copertura. COLTURE PROTETTE, vol. 11, p. 121-125, ISSN: 0390-0444
- NJ 17. 1992 CANDURA A, SCARASCIA MUGNOZZA G, RUSSO G (1992). Modello di bilancio energetico notturno

di tunnel freddi. COLTURE PROTETTE, vol. 2, p. 93-99, ISSN: 0390-0444

papers in Proceedings of International Conference (IC)

- IC 1. 2013 Pascuzzi S., Russo G, Scarascia Mugnozza G., Verdiani G., Lagattola G. (2013). Contamination of the environmental matrices in agricultural areas produced by industrial discharges: the case study of the land of the city of Statte (Taranto, Southern Italy). In: N. Romano, G. D'Urso, G. Severino, G.B. Chirico and M. Palladino. *Procedia Environmental Sciences* 19 (2013). *PROCEDIA ENVIRONMENTAL SCIENCES*, vol. 19, p. 671- 680, ISSN: 1878-0296, Naples, 19-21 June 2013, doi: 10.1016/j.proenv.2013.06.076
- IC 2. 2012 Pascuzzi S., Russo G, Scarascia Mugnozza G., Verdiani G. (2012). Evaluation of the health risk for the farm workers operating in contaminated sites.. In: Università degli Studi di Catania - Dipartimento di Gestione dei Sistemi Agroalimentari e Ambientali Via Santa Sofia, 100 - 95123 Catania. *Proceeding of International Conference RAGUSA SHWA 2012*, September 3-6, 2012, Ragusa - Italy "Safety Health and Welfare in Agriculture and in Agro-food Systems". Ragusa, 3-6 settembre 2010, p. 502-506, RAGUSA:Elle Due, ISBN: 978-88-905473-4-8
- IC 3. 2011 RUSSO G, GRASSI A (2011). Environmental comparison by means of LCA of construction and management of Mediterranean Urban Parks. In: *Proceedings of: Efficient and safe production processes in sustainable agriculture and forestry - XXXIV CIOSTA CIGR V Conference 2011*. Vienna, Austria, 29 June - 1 July 2011
- IC 4. 2010 RUSSO G, GRASSI A (2010). Environmental analysis of construction and management of urban park by means of LCA. In: *Proceedings of LCAFOOD2010*. BARI, 22 – 24 September 2010, vol. Book of Abstract, p. 358-363, BARI:Servizio editoriale Università di Bari, ISBN: 978-88-88793-29-0
- IC 5. 2008 G. SCARASCIA MUGNOZZA, RUSSO G, S. CASTELLANO (2008). Le reti plastiche per l'agricoltura: caratteristiche costruttive e funzionali. In: *MACPLAS 2008, International Conference 21-22 February 2008, CD-ROM*. BARI (ITALY), 21-22 February 2008
- IC 6. 2008 HEMMING S, CASTELLANO S, RUSSO G, SCARASCIA-MUGNOZZA G, SWINKELS G.L.A (2008). A NUMERICAL MODEL TO ESTIMATE THE RADIOMETRIC PERFORMANCE OF NET COVERED STRUCTURES (AGRONETS). In: *Proceedings of EURAGENG2008*. Hersonissos, 23-25 June 2008, ATHENS:Vougas Associates Ltd. 29, Sinopsis street,115 27
- IC 7. 2008 RUSSO G, INGRAVALLE S, DE LUCIA ZELLER B, VECCHIETTI L (2008). ENVIRONMENTAL AND PRODUCTIVE COMPARISON OF GROWING-MEDIA OBTAINED BY COMPOSTS OF DIFFERENT ORGANIC WASTES. In: *Proceedings of EURAGENG2008*. Hersonissos, Crete (GR), 23-25 Giugno 2008
- IC 8. 2003 RUSSO G, ANIFANTIS C. (2003). Safety at work for greenhouse agricultural productions: structural, equipment and environmental aspects. In: *C.I.G.R.-CIOSTA International Congress "Management and technology applications to empower agricultur*. 22-24 September, vol. 3, p. 1074-1086, ISBN: 88-88854-09-6
- IC 9. 1998 SCARASCIA MUGNOZZA G., RUSSO G, VOX G. (1998). New calculation methodology of greenhouse covering materials transmittance. In: *C.I.G.R. XIII Congresso Internazionale sull'Ingegneria Agraria*. Rabat (Marocco), 2-6 Febbraio 1998, vol. 2, p. 425-435
- IC 10. 1996 FEUJILLOLEY P., PAPADAKIS G., RUSSO G, STOFFERS J.A., VOX G. (1996). Numerical development of greenhouse view factors. In: *AgENG '96*. Madrid (SPAGNA) il 23-26/09/1996, vol. I, p. 402-403
- IC 11. 1996 SCARASCIA MUGNOZZA G., RUSSO G, VOX G., PICUNO P. (1996). Recovery and re-use of hut buildings for environment and Alpine land protection. In: *CIGR "New uses for old rural buildings in the context of landscape planning"*. Piacenza 20-21/06/1996, vol. I, p. 77-87
- IC 12. 1992 SCARASCIA MUGNOZZA G., PICUNO P., RUSSO G (1992). The use of innovative plastic films for greenhouse coverings in Mediterranean Countries. In: *AgENG'92*. Uppsala (SVEZIA), 1-4 Giugno 1992, p. 553-554

papers in Proceedings of National Conference (NC)

- CN1. 2017 Russo G., Vecchietti L., Scarascia Mugnozza G., Castellano S.. Biosystems engineering for cooperation projects with developing countries. In: *Proceedings of 11th International AIIA Conference: July 5-8, 2017 Bari - Italy "Biosystems Engineering addressing the human challenges of the 21st century"*. Bari (Italy):Press Office, University of Bari, ISBN: 978-88-6629-020-9, Bari, July 5-8, 2017
- CN2. 2013 Scarascia Mugnozza G., Pascuzzi S., Russo G, Anifantis A., Verdiani G. (2013). Impianto sperimentale geotermico a bassa entalpia per il riscaldamento serricolo: Valutazioni ambientali. In: *Matteo Barbari Francesco Sorbetti Guerri. L'edilizia rurale tra sviluppo tecnologico e tutela del territorio Convegno della II Sezione AIIA Firenze, 20 - 22 settembre 2012*. vol. 96, p. 313-322, Firenze University Press , ISBN: 978-88-6655-394-6, Firenze, 20 - 22 Settembre 2012
- CN3. 2013 Russo G, Grassi A, Castellano S. (2013). analisi lca (Life Cycle Assessment ) DELLE INFRASTRUTTURE PER IL VERDE URBANO. In: *Matteo Barbari Francesco Sorbetti Guerri. L'edilizia rurale tra sviluppo tecnologico e tutela del territorio* . vol. 96, p. 219-227, Firenze:- Firenze University Press, Florence, Italy, ISBN: 978-88-6655-394-6, Firenze, 20 - 22 Settembre 2012
- CN4. 2012 Grassi A., Russo G, De Lucia B. (2012). Analisi LCA del processo produttivo di piante ornamentali. In: *ENEA. Atti del VI convegno della Rete Italiana LCA*. Bari (Italy), 7-8 June 2012, p. 154-161, Roma:ENEA- Unità Comunicazione, ISBN: 978-88-8286-267-1
- CN5. 2011 Grassi A., Russo G (2011). Analisi introduttive sull'LCA delle produzioni vivaistiche ornamentali. In: *Ecomondo 2011 - Atti dei seminari*. Rimini, 9/11/2011-12/11/2011, vol. 1, p. 128-134, RIMINI:Maggioli Editore, ISBN: 883-87-698-69
- CN6. 2010 RUSSO G, GRASSI A (2010). Environmental analysis of construction and management of urban park by means of LCA. In: *Atti del congresso: "Strumenti, Piani, Progetti per una nuova dimensione Urbano-Rurale"*. Imola, 4-5 marzo 2010, ISBN: 978-88-902670-1-7
- CN7. 2007 ATTANASIO C, GUIDO M, LOMORO A, DE LUCIA B, RUSSO G, SCARASCIA MUGNOZZA G. Dall'Analisi del Ciclo di Vita dei fiori al marchio ecologico Ecoflower. In: *Università di Bologna - Polo Scientifico*

Didattico di Rimini. La cultura e le tecnologie ambientali in Italia e in Europa. Rimini, Italy, 7,10 Novembre 2007, RIMINI:Maggioli Editore

CN8. 2006 LOMORO A, ATTANASIO C, GUIDO M, BELTRANI T, LUCIANI R, BUTTOL P, SCARASCIA MUGNOZZA G, DE LUCIA B, RUSSO G (2006). L'analisi ambientale delle aziende floricole: uno strumento per la sostenibilità del territorio. Il sessione. In: Stefano Sibilo Segreteria tecnica UNI. SOSTENIBILITÀ DEL TERRITORIO E CERTIFICAZIONE AMBIENTALE: le possibilità delle sinergie fra pubblico e privato. RIMINI, 8-11 Novembre 2006

CN9. 2005 RUSSO G (2005). La trasmissività radiometrica delle reti in materiale plastico per l'agricoltura. In: Atti del Covegno AIIA 2005 "L'ingegneria agraria per lo sviluppo sostenibile dell'area mediterranea". Catania (Italia), 27-30 Giugno 2005, p. 1-12, ISBN: 88-901860-0-3

CN10.2005 RUSSO G, CASTELLANO S (2005). Reti in plastica per L'agricoltura: utilizzazione, materiali, proprietà fisiche. In: Atti del Congresso AIIA L'ingegneria agraria per lo sviluppo sostenibile dell'area Mediterranea. 27-30 Giugno 2005, vol. 1, ISBN: 88-901860-0-3

CN11.2001 RUSSO G, CASTELLANO S. (2001). Il condizionamento delle serre in floricultura: le problematiche in ambiente mediterraneo. In: Miglioramento delle produzioni floricole extrastagionali nel rispetto dell'amb.. Torre del Greco (NA), 25 Maggio 2001, p. 11-18

CN12.2001 SCARASCIA MUGNOZZA G., RUSSO G (2001). La valutazione del ciclo di vita (L.C.A.): uno strumento per analizzare la compatibilità ambientale delle costruzioni rurali. In: Ingegneria Agraria per lo sviluppo dei paesi del mediterraneo. Vieste (Fg), 11,14 settembre 2001

CN13.2001 RUSSO G, CASTELLANO S. (2001). L'innovazione tecnologica per il condizionamento del microclima nelle serre in ambiente mediterranea. In: Ingegneria Agraria per lo sviluppo dei paesi del mediterraneo. Vieste (Fg), 11,14 settembre 2001, p. 135-144

CN14.2000 RUSSO G (2000). Analisi termica e fluidodinamica di tunnel di preraffreddamento per ortofruttili. In: conferenza annuale ISCS (Italian Society for Computer Simulation). Lecce, 15/12/2000, p. 124-131

CN15.2000 RUSSO G, CASTELLANO S. (2000). Metodologie di recupero e riuso di fabbricati: un caso di studio nel Salento. In: Valorizzazione delle risorse locali nel quadro delle politiche rurali. Matera 14-17 Giugno 2000, p. 135-144

CN16.1999 CANDURAA., SCARASCIA MUGNOZZA G., RUSSO G (1999). Metodologie progettuali di celle per la preraffreddamento dei prodotti ortofruttili mediante analisi fluidodinamica. In: AIIA "Le colture protette: aspetti agronomici, territoriali e tecnico costruttiv. Ragusa, 24-26 Giugno 1999, p. 429-441

CN17.1997 SCARASCIA MUGNOZZA G., RUSSO G, VOX G. (1997). Le caratteristiche spettro radiometriche di materiali trasparenti innovativi per la protezione delle colture. In: VI Convegno Nazionale di Ingegneria Agraria. Ancona 11-12 Settembre 1997, vol. 2, p. 129-142

CN18.1997 RUSSO G (1997). Rilievi sperimentali e tecniche di illuminazione artificiale nelle camere di crescita per i vegetali. In: VI Convegno Nazionale di Ingegneria Agraria. Ancona 11-12 Settembre 1997, vol. 2, p. 165-172

CN19.1993 SCARASCIA MUGNOZZA G., RUSSO G, VOX G. (1993). Il processo evolutivo delle applicazioni informatiche nelle serre quale settore avanzato del comparto agricolo. In: AICA 93 (Associazione Italiana per l'informatica e il calcolo automatico). Gallipoli (LE), 22-24/09/1993, vol. I, p. 557-567

CN20.1992 SCARASCIA MUGNOZZA G., RUSSO G, VOX G. (1992). Modello numerico per l'analisi previsionale delle temperature nel terreno agrario solarizzato. In: Accademia dei Georgofili "Informatica e Agricoltura". Firenze, 17-18/12/1992, p. 185-194

Other paper

2007 RUSSO G (2007). Report LCA.: In: [http://www.ecodap.it/public/Documenti/LCA\\_summary\\_report\\_task3\\_Rev0.pdf](http://www.ecodap.it/public/Documenti/LCA_summary_report_task3_Rev0.pdf). p. 1-49, "Progetto dimostrativo per la DAP: i fiori di Terlizzi ed il marchio ecologico locale Ecoflower Terlizzi".

Research Projects

Participation in research projects:

- 2013 -2015 partecipazione in qualità di componente del gruppo di ricerca dell'Università di Bari: progetto dell'European Territorial Cooperation Programme Greece-Italy 2007-13 dal titolo "Agricultural Waste valorisation for a competitive and sustainable Regional Development (AWARD)", Progetto finanziato da European Union (ERDF) e da National Funds of Greece & Italy; Contratto n° I3.11.03.
- 2012 -2014 responsible for scientific research of environmental analysis (LCA) for the integrated supply chain project PIF: Recovery of profitability and competitiveness of the Apulian nursery sector, coordinated by DARE (District Regional Agribusiness consortium company with limited liability) - Measure 124 - Cooperation for development of new products, processes and technologies in the agriculture and food industries, and in the forestry
- 2011 - 2015 scientific coordinator for the project MIPAAF OIGA III: SEABIA Ecological substrates with low environmental impact - "Auto-production of substrates for growing nursery with low environmental impact."
- 2009 – 2014 responsible for scientific research of environmental analysis (LCA) for the project: "Sustainable production of pot plants in a Mediterranean environment" National Operational Program - PON - "Research and Competitiveness 2007-2013"

- 2005 - 2007 responsible for research on mulching materials project MIPAAF OIGA I: IN.PAC.FLOR. floriculture industry in sustainable use of innovative mulching materials from renewable resources.
- 2004 - 2006 participation in the project: CHIMICAVERDE.FL.OR. Floriculture and vegetable systems with low environmental impact: less chemicals with the use of conventional bio-promoters and bio-scrubbers, funded by the Province of Bari-Agriculture Service, hunting, fishing and marine resources.
- 2003-2005 participation in the project: European research LIFE project "Ecoflower" for the Environmental analysis by means of LCA of flower production and EPD declaration. cod. LIFE04 ENV/IT/000480
- 2001 - 2005 participation in the project: "Development of protective structures covered with permeable materials for agricultural use – "AGRONETS", - CRAFT del VI PQ cod. COOP-CT -2003-507865;
- 1999 - 2000: participation in the European Project, LIFE Environment "Biodegradable coverages for sustainable agriculture BIO.CO.AGRI.", Contract No: LIFE03 ENV/IT/000377
- 1998 - 1999: participation European research project VI PQ "Biodegradable plastics for environmentally friendly mulching and low tunnel cultivation" – BIOPLASTICS; cod.QLK5-CT-2000-00044
- 1998 - 1999 responsible for research project New plastic film for greenhouse (MURST);
- 1997 - 1998: Participation in industrial research project " Experimentation of the spectrophotometric properties different kinds of plastic films for covering greenhouses" for "PATI S.p.A." San Zenone degli Ezzelini (TV- Italy);
- 1997 - 1998: Participation in the project Optimization with CFD of air-tunnel in pre-cooling of fruit and vegetable products (University of Bari Research Project MURST)
- 1995 - 1998 Participation in the project Treatments and disposal of solid and liquid waste from intensive animal breeding. (Agrital Ricerche);
- 1994 - 1995 Participation in the industrial research project "Radiometric properties of new agricultural plastic films" funded by RETILPLAST Co. of Eboli (Salerno, Italy);
- 1991 - 1995 Participation in the project European research project H.C.M. (Human Capital and Mobility) regarding "Greenhouse design: functional and structural aspects and test methods of covering materials; A network project".
- 1991 Participation in the project Mechanics and radiometric analysis of new greenhouse plastic films (MURST);
- Participation in the project Mathematical Model of thermal conditions in Mediterranean greenhouses (Project CNR-RAISA);
- Participation in the project Thermal balance in agricultural soil solarization (MURST);

- University courses held:
- assignment for vacation : from 1997/1998 to 2000/2001 – **"Costruzioni e impianti per le coltivazioni protette"** Buildings and equipment for protected crops  
University of Bari - Branch Office of Foggia - Faculty of Agriculture Degree in Plant Production
  - Assignment for vacation : from 2001/2002 to 2002/2003 – **"Costruzioni e impianti per le coltivazioni protette"** Buildings and equipment for protected crops  
Foggia University - Faculty of Agriculture, San Severo (FG), Bachelors in Plant Production
  - Assignment for vacation 2004/2005 – **"Costruzioni Rurali"** Rural Construction course shared with **"Strutture ed Infrastrutture agricole"** **Agricultural Structures and Infrastructure**  
Foggia University - Faculty of Agriculture, degree in Agricultural Sciences and Technologies
  - Assignment for vacation 2005/2006 **"Costruzioni per le coltivazioni protette e per la trasformazione delle produzioni"** Construction for protected crops and for the transformation of

the productions (6 CFU)  
University of Bari - Faculty of Agriculture - Degree in Agricultural Engineering Sciences

Assignment for vacation .2007/2008 " **Costruzioni e impianti serraicoli" Buildings and equipment for Greenhouse (4 CFU)**  
University of Bari - Faculty of Agriculture - Degree in Science and Technology of Plant Production (STPV)

Assignment for vacation 2008/2009 Corso Integrato: Macchine ed impianti Machinery and Equipments - 9 cfu - Modulo: **Costruzioni ed impianti per colture protette Buildings and equipment for Greenhouse (3CFU)**  
University of Bari - Faculty of Agriculture - Master of Science: Crop Mediterranean

Assignment for vacation 2008/2009 **Costruzioni e impianti serraicoli Buildings and equipment for Greenhouse (4 CFU)**  
University of Bari - Faculty of Agriculture - Degree in Science and Technology of Plant Production (STPV)

Assignment for vacation .2009/2010 **Costruzioni Rurali Rural Construction (5 cfu)** del corso integrato: **Ingegneria del territorio rurale Engineering of rural areas**  
University of Bari - Faculty of Agriculture - Degree in Agricultural Science and Technology

Assignment for vacation 2009/2010  
**Costruzioni ed impianti per colture protette Construction and equipments for protected crops (3 cfu)** del corso integrato: **Macchine ed impianti Machinery and Equipments**  
University of Bari - Faculty of Agriculture - Degree in Mediterranean crops

Assignment for vacation 2010/2011 **Costruzioni Rurali Rural Construction (5 cfu)** del corso integrato: **Ingegneria del territorio**  
Università di Bari - Facoltà di Agraria - Corso di Laurea in Scienze e Tecnologie Agrarie

Assignment for vacation 2011/2012 **Costruzioni Rurali Rural Construction (5 cfu)** del corso integrato: **Ingegneria del territorio rurale Engineering of rural areas**  
University of Bari - Dept. DISAAT - Degree in Agricultural Science and Technology

Assignment for vacation 2012/2013 **Costruzioni Rurali (5 cfu)** del corso integrato: **Ingegneria del territorio Engineering of rural areas**  
University of Bari - Dept. DISAAT - Degree in Agricultural Science and Technology

Assignment for vacation .2013/2014 **Costruzioni Rurali Rural Construction (5 cfu)** del corso integrato: **Ingegneria del territorio Engineering of rural areas**  
University of Bari - Dept. DISAAT - Degree in Agricultural Science and Technology

Assignment for vacation .2013/2014 **Corso di recupero di Analisi Matematica** per i nuovi immatricolati Remedial classes of Mathematical Analysis for new enrolled  
University of Bari - Dept. DISSPA - Degree in Food Science and Technology

Assignment for vacation 2014/2015 **Costruzioni Rurali Rural Construction (5 cfu)** del corso integrato: **Ingegneria del territorio Engineering of rural areas**  
University of Bari - Dept. DISAAT - Degree in Agricultural Science and Technology

#### teaching for postgraduate courses

Assignment for vacation : from. 2003/2004 to 2004/2005 –0.5 CFU "**Igiene e sicurezza nelle aziende agro-zootecniche**" Health and safety for agro-livestock farms  
Polytechnic of Bari - Master in Engineering of Safety

Assignment for vacation : from.2005/2006 to. 2012/2013 - modulo (0.2 CFU) Analisi del rischio nei fabbricati per l'allevamento animale Risk analysis in buildings for animal breeding - modulo (0.2 CFU) Analisi del rischio nei fabbricati per l'allevamento vegetale Risk analysis in buildings for plant breeding - modulo (0.2 CFU) Fabbricati per il trattamento e confezionamento dei prodotti ortofruitticoli: filiera di processo e problematiche inerenti la sicurezza degli operatori. Risk Analysis in the buildings for the treatment and packaging of fruit and vegetables:  
Polytechnic of Bari - Master in Engineering of Safety

Assignment for vacation from.2012/2013; to 2017/2018 **Costruzioni Rurali Rural Construction (2 cfu)**  
University of Bari - Dept. DETO School of Technology and Pathology of Poultry Species (TePACS)

Professor for PhD "INGEGNERIA DEL TERRITORIO E DELL'AMBIENTE AGROFORESTALE", Università di Bari, Cici XX 2004, XXI 2005, XXII 2006, XXIII 2007, XXIV 2008, XXV 2009. dal 01-01-2004 al 01-01-2009  
Professor for PhD "INDIRIZZO DI GESTIONE E INGEGNERIA DEI BIOSISTEMI AGRO-FORESTALI", Università di Bari, Cici XXVI 2010, XXVII 2011, XXVIII 2012. dal 01-01-2010 al 01-01-2012  
Professor for PhD "BIODIVERSITA', AGRICOLTURA E AMBIENTE", Università di Bari, Ciclo XXIX 2013 dal 01-01-2013 al 01-01-2013

**Memberships**

AIIA – Italian Association of Agricultural Engineering  
CIGR – Commission Internationale du Génie Rural  
Italian LCA (Life Cycle Assessment) network

**Signature**