

Personal Information

Name:	Gianandrea Salerno
Place and DOB:	Erice (Trapani), Italy. February 20, 1966.
Nationality:	Italian
Civil status:	Married, 3 children
Current position:	Associate Professor of Entomology
Address:	Dipartimento di Scienze Agrarie, Alimentari e Ambientali University of Perugia Borgo XX Giugno 74 - 06121 - Perugia – Italy
E-mail:	gianandrea.salerno@unipg.it
Tel:	+39 075 5856034

Education

2001	Ph.D. degree in Agricultural Entomology. Dipartimento di Arboricoltura e Protezione delle Piante, University of Perugia. Thesis “Evaluation of host specificity in pentatomid parasitoids through their response to the host unit” (Tutor Prof. Ferdinando Bin)
1992	Agronomist examination
1992	"Laurea" (Master's Degree) in Agriculture - crop protection (University of Palermo) (5-year course); thesis: “Bioethological observations on the olive pest <i>Palpita unionalis</i> Hübner” (Tutor Prof. Giovanni Liotta)

Professional Development

2018 (Dec.)–present	Associate Professor of Entomology at the Dipartimento di Scienze Agrarie, Alimentari e Ambientali, University of Perugia
2017	National Scientific Qualification (Abilitazione Scientifica Nazionale) as Full professor of Entomology (SSD AGR/11, Settore concorsuale 07/D1)
2014	National Scientific Qualification (Abilitazione Scientifica Nazionale) as Associate professor of Entomology (SSD AGR/11, Settore concorsuale 07/D1)
2008-2018 (Nov.)	Permanent Researcher (Assistant Professor of Entomology) at the Dipartimento di Scienze Agrarie, Alimentari e Ambientali, University of Perugia
2006-07	Post-doctoral position, 2 years (Dipartimento di Scienze Agrarie e Ambientali - Entomologia - University of di Perugia). Research project “Induced defenses in crop plant”
2001-05	Post-doctoral position, 5 years (Dipartimento di Arboricoltura e Protezione delle Piante - Entomologia - University of Perugia), Research project “Host selection behaviour on egg parasitoids: biological control and pentatomid – <i>Trissolcus</i> spp. associations”.
1998-2000	Ph.D. course in Agricultural Entomology, 3 years (Dipartimento di Arboricoltura e Protezione delle Piante - Entomologia - University of Perugia). Researches on: “Evaluation of host specificity in pentatomid parasitoids through their response to the host unit”.
1997	Collaboration in a research project on insects of wooden structures of historical-artistic interest (Prof. Giovanni Liotta, Agricultural Entomology Institute - University of Palermo), funded by the “Assessorato ai Beni Culturali e Ambientali della Regione Sicilia”
1993-1997	Collaboration in field and laboratory researches on agricultural pest insects (Prof. Giovanni Liotta, Agricultural Entomology Institute - University of Palermo)

International Experiences

2021-June-July	DAAD (German Academic Exchange) grant at the Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universität Zu Kiel (Germany) – “Research Stays for University Academ(ics and Scientists, 2021”, (57552334).
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2020-September	Erasmus grant for training at the Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universitat Zu Kiel (Germany) – Staff mobility for training assignment (STA) AA: 2019/2020
2019-December	COST (ENBA, CA 15216) Short-Term Scientific Missions (08/12/2019 al 22/12/2019) on the Mechanical ecology of fruit-insect interaction in <i>Bactrocera oleae</i> (Diptera: Tephritidae), at the Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universitat Zu Kiel (Germany)
2019-July/August	Erasmus grant for training at the Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universitat Zu Kiel (Germany) – Staff mobility for training assignment (STA) AA: 2019/2020
2018-December	Erasmus grant for training at the Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universitat Zu Kiel (Germany) – Staff mobility for training assignment (STA) AA: 2018/2019
2018-July	Research activity for 18 days (08-07/26-07) at the Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universitat Zu Kiel (Germany)
2017-December	Erasmus grant for training at the Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universitat Zu Kiel (Germany) – Staff mobility for training assignment (STA) AA: 2017/2018
2017-July	COST (ENBA, CA 15216) Short-Term Scientific Missions (22/06/2017 to 08/07/2017) on the Characterization of the attachment ability of <i>Nezara viridula</i> , at the Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universitat Zu Kiel (Germany)
2016-December	Erasmus grant for training at the Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universitat Zu Kiel (Germany) – Staff mobility for training assignment (STA) AA: 2016/2017
2016-July	Research activity for 14 days at the Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universitat Zu Kiel (Germany)
2016 January	Erasmus grant for training at the Angers University –INRA (France) – Staff mobility for training assignment (STA) AA: 2015/2016
2015 May	Erasmus Professor at the Christian Albrechts University of Kiel (Germany) – Staff mobility for teaching assignment (STA) AA: 2014/2015.
1999	Research stage, 2 months, (Research station of INRA (Institute National de la Recherche Agronomique - Antibes - France) on biology and ecology of <i>Trissolcus basal</i>
1996	Research stage, 1 month, founded by ENEA-National Agency for Alternative Energy (Stride program, Actinia project), (Department of Entomology, Wageningen Agricultural University, The Netherlands) on selection criteria and quality control of parasitoids for biological control of <i>Bemisia tabaci</i>
1995	Research stage, 5 months, founded by COMETT (Research station for nursery stock - Boomteelt Praktijkonderzoek), Boskoop – The Netherlands). Collaboration in two research projects on biological control of aphids and of <i>Tetranychus urticae</i> Koch in open fields.

National and International Projects

2019-2021	Coordinator of research project “Segnali volatili mediatori di resistenza nelle interazioni multiple pianta-insetto-fungo” funded by University of Perugia (Ricerca di Base 2019)
2018	Member of ECOST (European Cooperation in Science and Technology), ENBA COST Action CA15216 “European Network of Bioadhesion Expertise”
2018-2020	Coordinator of research project “Effetto priming nelle interazioni multiple pianta-insetto-fungo” funded by University of Perugia (Ricerca di Base 2018)
2015-2016	Coordinator of research project “Le tracce chimiche di <i>Nezara viridula</i> : caratterizzazione ultrastrutturale delle ghiandole e ruolo del secreto nella

localizzazione da parte del parassitoide” funded by University of Perugia (Ricerca di Base 2014).

1996-present Partecipation in about 25 national and international research projects on chemical ecology of insect parasitoids and biological control of insect pests on Mediterranean crops, (University of Palermo and University of Perugia) (Funded by Italian Ministry of the University and Scientific Research – PRIN, FISR, FIRB - by CNR-National Research Council and by Italian Ministry of Agriculture).

Teaching

2018- present	Perugia’s University Lecturer: “Agricultural Entomology” in beer crops pest control
2018- present	Perugia’s University Lecturer: “Entomology” in biotechnology
2018- present	Perugia’s University Lecturer: “Agricultural Entomology” in stored product pest control
2010-present	Perugia’s University Lecturer: “Entomology” in grapevine pest control.
2008-2013	Perugia’s University Lecturer: “Entomology” in stored product pest control.
2008-2009	Perugia’s University Lecturer: “Integrated pest management”
2008-2009	Perugia’s University Lecturer: “Entomology and biomonitoring”
2001-2008	Series of lectures at the University of Perugia in Entomology and Integrated pest management.

Editor and Reviewer Activity for Scientific Journals

2019-present	Member of Editorial Board of “Zoology”
2019-present	Member of Editorial Board of “Scientific Reports”
2019-2020	Guest editor for the special issue “Plant Surface and Its Role in Arthropod-Plant Interactions” in <i>Insects</i>
2019-2020	Guest editor for the special issue “IEIC6” in <i>Entomologia Experimentalis et Applicata</i>
2000-present	Referee for international journals as <i>Pest Management Science</i> , <i>Biocontrol</i> , <i>Scientific report</i> , <i>PlosOne</i> , <i>Entomologia Experimentalis et Applicata</i> , <i>European Journal of Entomology</i> , <i>Journal of Pest Science</i> , <i>Journal of Insect Science</i> , <i>Neotropical Entomology</i> , <i>Journal of Economic Entomology</i> .

Others

2021	Deputy director for Research, Dipartimento” of the Dipartimento di Scienze Agrarie, Alimentari e Ambientali
2021	Deputy director for VQR, Dipartimento” of the Dipartimento di Scienze Agrarie, Alimentari e Ambientali
2020-present	Coordinator of the curriculum “Sistemi produttivi sostenibili e ambiente” of the PhD course in “Scienze e Biotecnologie Agrarie, Alimentari e Ambientali”
2016 (April)-2017(May)	Member of “Giunta di Dipartimento” of the Dipartimento di Scienze Agrarie, Alimentari e Ambientali
2015-present	Member of “Presidio di Qualità” of the Dipartimento di Scienze Agrarie, Alimentari e Ambientali, University of Perugia
2013-present	Member of the Board of Professors of the PhD course in “Scienze e Biotecnologie Agrarie, Alimentari e Ambientali”, University of Perugia
2012-2014	Member of the “Giunta” of the Faculty of Agriculture in the University of Perugia.
2009-2013	Member of the Board of Professors of the PhD course in “Scienze Agrarie e Ambientali”, University of Perugia
2008-209	Member of the Board of Professors of the PhD course in “Arboricoltura e Protezione delle Piante”, University of Perugia

Organization of Congresses and Scientific Meetings

2019	Member of the Organizing Committee for the IEIC6, 6th International Entomophagous Insects Conference, Perugia, 9-13 September 2019
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- 2010 Member of the Organizing Committee for the "XI International Symposium on Ecology of Aphidophaga", Perugia, 19-24 September 2010.
- 2005 Member of the Organizing Committee for the "XX Congresso nazionale Italiano di Entomologia", Perugia, 13-18 June 2005.
- 2002 Scientific member of the Organizing Committee for the "IOBC - Egg Parasitoids, 6th International Symposium", Perugia, 15-18 September 2002.
- 2001 Scientific member of the Organizing Committee for the "2001 International Joint Meeting on Ephemeroptera and Plecoptera", Perugia, 5-11 August 2001.

International collaborations

Tor Jorgen Almaas, Department of Biology, Norwegian University of Science and Technology, Trondheim (Norway)

Ahmet Bayram, Dicle University, Department of Plant Protection, Diyarbakir, Turkey

Adolfo Cordero Rivera Grupo de Ecoloxía Evolutiva e da Conservación, Departamento de Ecoloxía e Bioloxía Animal, Universidade de Vigo, Pontevedra, (Spain)

Ola M. Fincke, Ecology and Evolutionary Biology Graduate Program, Department of Biology, University of Oklahoma, Norman, OK, U.S.A

Elena Gorb Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universität, Kiel (Germany)

Stanislav Gorb, Zoological Institute: Functional Morphology and Biomechanics, Christian Albrechts Universität, Kiel (Germany)

Frédéric Marion-Poll, AgroParisTech, Département Sciences de la Vie et Santé, Paris, France.

Violeta Velikova, Bulgarian Academy of Sciences, Institute of Plant Physiology, Sofia, Bulgaria.

Eric Wajnberg, Behavioral Ecology of Insect Parasitoids Ecology – Biometry Population Genetics Inra, France

Research Fields

Insect –plant mechanical and chemical interactions

Behaviour and chemical ecology of parasitic Hymenoptera and agricultural pests

Indirect plant defences, constitutive or induced by herbivores

Morpho-functional adaptations of insect

Behaviour and chemical ecology of Odonata

Insect electrophysiology

Biology and ecology of egg-parasitoid

Scientific production

Co-author of 89 scientific papers (74 on ISI journals), 2 book chapter and more than 90 abstracts on proceedings of national and international congresses.

One of the publications has been the object of an article on Science Now (Dragonflies Lack 'Smell Center,' but Can Still Smell, March 2014).

<http://www.scopus.com/authid/detail.url?authorId=7004962330>

<http://orcid.org/0000-0002-8357-7598>