

ISSN 0425-1016

ENTOMOLOGICA

Open access, DOI-indexed, full digital Journal on Entomology
Department of Soil, Plant and Food Sciences - University of Bari Aldo Moro
www.entomologicabari.org – www.entbari.org

Vol. 47 – 2016



BARI

Editor-in-chief

FRANCESCO PORCELLI

Guest Editor

M. BORA KAYDAN General and Applied Entomology

Technical Board

GIORGIO NUZZACI Editorial procedure supervisor
EUSTACHIO TARASCO Edition control
FRANCA TODISCO Desktop publisher; Editorial procedure advisor
ROBERTA ROBERTO Editorial procedure advisor
LAURA DIANA Editorial procedure advisor
VALENTINA RUSSO Editorial procedure advisor
NICO DE SANTIS Lawyer Protection of copyright and privacy

Topic or Country Editors

ROCCO ADDANTE Beekeeping, IPM for stone fruits and grapevine
ENRICO DE LILLO Acarology
EUSTACHIO TARASCO Insect pathology, urban and forest entomology, faunistic biodiversity and management
ANTONELLA DI PALMA Acari ultrastructure, comparative anatomy and functional morphology, Mesostigmata & Heterostigmata Systematic
SALVATORE GERMINARA Insect semiochemicals, Extraction methods, Chemical analyses (GC, GC-MS, GC-EAD), Electrophysiology, Olfactometer bioassays, Stored-product insects, Integrated Pest Management (IPM)
MARIA SCRASCIA Bacteriology; Bacteria-Insects associations; Uncultivable Bacteria
CARLO PAZZANI Microbiology of Prokaryotes; Mobile Genetic Elements; Bacterial Communities
AGATINO RUSSO Faunistic and systematic of scale insects. Monitoring and control of stored food pests. Applications of biological and integrated control in agriculture and food industries
POMPEO SUMA Integrated Pest Management (IPM) in citrus orchards and vineyards. Insect semiochemicals, Urban entomology, Stored-product insects.
GAETANA MAZZEO Faunistic and systematic of Homoptera Coccoidea. Honeybee, solitary bees and biodiversity in natural and anthropic ecosystems. Insect pests of ornamental plants
SANTI LONGO General and Applied Entomology
ROBERTA ROBERTO Genetist, molecular biologist

Department of Soil, Plant and Food Sciences - UNIBA Aldo Moro DiSSPA - Entomology and Zoology Section, Via Amendola, 165/A - 70126 BARI - ITALY

<http://www.uniba.it/ricerca/dipartimenti/disspa>

Tel. +39/0805442874 - +39/0805442880

E-mail: entomol@uniba.it

www.entomologicabari.org – www.entbari.org

Authorization of the Court of Bari n. 306, 19 April 1966



ENTOMOLOGICA

Open access, DOI-indexed, full digital Journal on Entomology
edited by Department of Soil, Plant and Food Sciences
University of Bari Aldo Moro
www. entomologicabari. org – www. entbari. org

F. PORCELLI¹, A. RUSSO²

¹ DiSSPA-UNIBA Aldo Moro, Via Amendola, 165/a 70126 Bari, Italy;

² DiSA, Università di Catania, Via Santa Sofia, 100 95123 Catania, Italy

Giuseppina Pellizzari: enhancing coccidiology by enhancing coccidiologists

Our time with Giuseppina started during the XIV (1985) National Entomology Congress in Palermo, Giuseppina and Tino shared a contribution on Italian Coccoidea Fauna with Salvatore Marotta and Antonio Tranfaglia.

Later, the 6th ISSIS in Krakow (1990) was the first Tino's opportunity to join the international community of scale insect students. During the meeting, Giuseppina introduced Tino to other colleagues despite his partial experience in the topic and the difficulties in English (Tino studied mealybugs, mostly). That was the opportunity for Giuseppina and Tino to build a robust and fruitful collaboration on scale insect fauna and zoogeography.

While attending the ISSIS-VII in Israel (1994) ARO Volcani Center at Bet Dagan (12-17 June, fig. 1) Francesco met the first time the coccidologists guild.

Giuseppina immediately immersed Francesco into the group. At that time, Giuseppina had a firm position as a professor, but she has been suggesting on the topic and situations very friendly, despite the fact that we have just met.

That was the start of a human and scientific friendship, still growing. Working together on papers, and visiting each other we were aware of Giuseppina studies on Scale Insects and the other many scientific interests of Giuseppina.

Later, Giuseppina organised the ISSIS IX in Padova (2001, fig. 2). She was tenacious and generous in engaging and driving all the Italian scale insect students to share their research theme and results with colleagues coming all around the world. In Padova, she set an example for leading and organising an international getting the nickname as "The Italian scale insects lady".

Giuseppina now focuses mostly on alien, invasive and quarantine scale insect species dealing with their Fauna, Taxonomy, new species description and risk assessment (fig. 3) because the bud of general scale insect studies is grafted and flourish

Porcelli F., Russo A., (2016); Giuseppina Pellizzari: enhancing coccidiology by enhancing coccidiologists;
Entomologica, Bari, 47: 61-65; doi: dx. doi. org/10. 15162/0425-1016/457

Award, accepted: September, 2016; ISSN 0425-1016

Part of this study was presented during the ISSIS XIV 13-16 June 2016, Catania - Italy



Fig. 1 - Our first meet in Cohen Auditorium, ARO Volcani Center, Bet Dagan, Israel.



Fig. 2 - Social tour shot during ISSIS IX in Padova (2001).

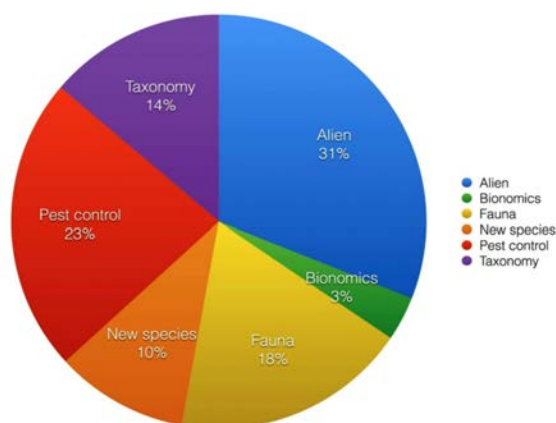


Fig. 3 - Percentage of the main topics in Giuseppina's scale insect studies.

on the root of robust basic pest control approach. She is also the principal driver of a series of studies on the Scale species in Italy and neighbouring Countries. Most of the scientific studies focus on Scale insects, but there are several kinds of interesting papers on other Hemiptera Families as Aleyrodidae, Psyllidae, Aphididae and Miridae. Further studies were focusing on non-Hemipteran Orders as Lepidoptera, Coleoptera, Hymenoptera and Diptera.

Relevant studies were published on Ceroplastes (Pellizzari & Camporese, 1994; Mori *et al.*, 2001), on introduced scale insects (Pellizzari & Dalla Montà, 1997; Beltrà *et al.*, 2010; Pellizzari & Porcelli, 2013; Mazzeo *et al.*, 2013; Pellizzari & Porcelli, 2014; Ülgentürk *et al.*, 2014), on indigenous but now invasive species (Pellizzari *et al.*, 2012; Porcelli & Pellizzari, 2014; Roberto *et al.* 2016a; Roberto *et al.* 2016b), on unusual species (Porcelli *et al.*, 2012). Giuseppina described several new species in Eriococcidae: *Acanthococcus mariannae* (Pellizzari & Germain, 2010); *Greenisca alpina* & *bellenica* (Pellizzari & Kozár, 1999); *Greenisca oreophila*, *Ovaticoccus agavacearum* & *exoticus* (Pellizzari & Kozár, 2011); Pseudococcidae: *Coccidohystrix zangherii* (Kozár & Pellizzari, 1989); Coccidae: *Lecanopsis clodiensis* (Pellizzari, 1995); *Lecanopsis marottai* & *mirabilis* (Pellizzari & Fontana, 2002); *Lecanopsis salvatorei*, *sicula* & *Hadzıbejlaspis ferenci* (Pellizzari, 2013); *Prionococcus fontanai* (Pellizzari & Hodgson, 2007); *Toumeyella fontanai* (Kondo & Pellizzari, 2011) and Diaspididae: *Poliaspoides bambusae* (Ülgentürk & Pellizzari, 2013).

Apart from the very fruitful engagement in Scale insect research, Giuseppina also managed a significant teaching charge from 1980 to date, giving course dealing with General Entomology, Agricultural Entomology, Entomology of ornamentals,

Acarology, Nematology, Zoology, Apiculture, Biological Control, both in Bachelor and Master courses. She is Supervisor/Co-supervisor of degree and PhD theses and Supervisor of research activity of foreigner visiting scientists at the University of Padua.

We wish to share the warm and friendly but sharp attitude Giuseppina has while studying a topic and preparing a paper for publication that are the key to her scientific personality and attitude to offer an excellent example of a Scale insect student and a thrilling counterpart for a colleague. Moreover, she is quickly intrigued by unusual and unconventional phenomena, morphologies or bionomics. Her fresh and polite personal touch resulted in many collaborative papers and studies with young promising and prominent from Mediterranean, Balkan and all the Palearctic realm also.

Crossing Giuseppina gave us the opportunity to recognise a tactful and very competent coccidologist and to start a still intriguing competition for reciprocal involvement and engagement in interesting and fruitful studies on Scale Insect. The sharing of scientific studies joined our personal life also creating a consistent, intense friendship that, in turn, enforces our delight to face new topic and research challenges.

Giuseppina participates most, if not all, of the relevant actual studies on scale insects joining persons, helping the young scientist, respecting and appreciating experience and knowledge.

Our story is that just by chance, but the acknowledgements to her role are from all Italian coccidologists.

REFERENCES

- BELTRÀ A., SOTO A., GERMAIN J. -F., MATILE-FERRERO D., MAZZEO G., PELLIZZARI G., RUSSO A., Franco J. C. & Williams D. J. (2010) The Bougainvillea mealybug *Phenacoccus permianus*, a rapid invader from South America to Europe. *Entomologia Hellenica*, 19: 137–143.
- KONDO T. & PELLIZZARI G. (2011) Description of a new species of *Toumeyella* Cockerell (Hemiptera, Coccidae) from Mexico, with a taxonomic key to Mexican species. *Revista Brasileira de Entomologia*, 55 (2): 229–233.
- KOZÁR F. & PELLIZZARI G. (1989) A new mealybug from Italy: *Coccidohystrix zangherii* sp. n. (Homoptera: Coccoidea, Pseudococcidae). *Redia*, 72 (2): 507–511.
- MAZZEO G., LONGO S., PELLIZZARI G., PORCELLI F. & RUSSO A. (2013) Le cocciniglie esotiche delle ornamentali recentemente introdotte in Italia e in Europa. *Atti Accademia Nazionale Italiana di Entomologia*, 61: 123–130.
- MAZZEO G., LONGO S., PELLIZZARI G., PORCELLI F., SUMA P. & RUSSO A. (2014) Exotic Scale Insects (Coccoidea) on Ornamental Plants in Italy: a Never-Ending Story. *Acta Zoologica Bulgarica*, Suppl. 6: 55–61.
- MORI L., PELLIZZARI G. & TOSI X. (2001) Già acclimatato in Italia il coccide *Ceroplastes ceriferus* (Fabricius) (Hemiptera, Coccoidea). *L'informatore fitopatologico*, 53 (10): 175–192.
- PELLIZZARI G. & CAMPORESE X. (1994) The *Ceroplastes* species (Homoptera Coccoidea) of the Mediterranean basin with emphasis of *C. japonicus* Green. *Annales de la Société entomologique de France. (n. s.)*, 30: 175–192.
- PELLIZZARI G. & CHRIS HODGSON C. (2007) A new species of *Prionococcus* (Hemiptera:

- Sternorrhyncha: Coccoidea: Coccidae) from Mexico, with a discussion of its affinities. *Zootaxa*, 1481: 1–19.
- PELLIZZARI G. & DALLA MONTÀ L. (1997) Gli insetti fitofagi introdotti in Italia dal 1945 al 1995. *L'Informatore fitopatologico*, 47 (10): 4–12.
- PELLIZZARI G. & GERMAIN J. F. (2010) A new species of *Acanthococcus* (Hemiptera, Coccoidea, Eriococcidae) on *Leptospermum scoparium* (Myrtaceae) from Italy and France. *Zootaxa*, 2543: 51–63.
- PELLIZZARI G. & KOZÁR F. (1999) Two new species of *Greenisca* Borchsenius, 1948 (Coccoidea Eriococcidae) from Italy and Greece. *Bollettino di Zoologia Agraria e di Bachicoltura*, 31 (1): 25–30.
- PELLIZZARI G. & KOZÁR F. (2011) A new species of *Greenisca* and two new species of *Ovaticoccus* from Italy (Hemiptera Coccoidea Eriococcidae), with a key to European genera of Eriococcidae. *Zootaxa*, 3090: 57–68.
- PELLIZZARI G. & PORCELLI F. (2013) First record of *Phenacoccus defectus* in Italy, with comments on *Phenacoccus solani* and *Phenacoccus solenopsis*. *Bulletin of Insectology*, 66 (2): 209–211.
- PELLIZZARI G. & PORCELLI F. (2014) Alien scale insects (Hemiptera Coccoidea) in European and Mediterranean countries: the fate of new and old introductions. *Phytoparasitica* DOI 10.1007/s12600-014-0414-5.
- PELLIZZARI G., PORCELLI F., CONVERTINI S. & MAROTTA S. (2012) Description of nymphal instars and adult female of *Kermes vermilio* Planchon (Hemiptera, Coccoidea, Kermesidae), with a synopsis of the European and Mediterranean species. *Zootaxa*, 3336: 36–50.
- PELLIZZARI, G. (1995) A new species of *Paralecanopsis* (Homoptera Coccoidea Coccidae) from Italy. *Bollettino di Zoologia Agraria e di Bachicoltura Ser. II*, 27: 35–44.
- PELLIZZARI, G. (2013) Three new species in the subfamily Eriopeltinae Sulc from Italy (Hemiptera, Coccoidea, Coccidae) with comments on the genus *Lecanopsis*. *Zootaxa*, 3635 (2): 101–116.
- PELLIZZARI, G. & FONTANA, P. (2002) A systematic revision of the genus *Lecanopsis* Targioni Tozzetti (Hemiptera, Coccoidea, Coccidae). *Bollettino di Zoologia Agraria e di Bachicoltura*, 34 (2): 129–212.
- PORCELLI F. & PELLIZZARI G. (2014) Description of female nymphal instars and adult female of *Kermeschinatus* Balachowsky (Hemiptera, Coccoidea, Kermesidae) based on specimens from Crete and mainland Greece, with a discussion on geographical variation. *Zootaxa*, 3878 (1): 061–074.
- PORCELLI F., PELLIZZARI G., MATILE-FERRERO D. & CONVERTINI S. (2012) The unusual cover of the armoured scale *Cryptaspidotus barbusano* (Lindinger) (Hemiptera: Diaspididae: Aspidiotinae) with comments on the scale covers of other Diaspididae. *Annales de la Société entomologique de France. (n. s.)*, 48 (3–4): 313–321
- ROBERTO R., DIANA L., RUSSO V., PORCELLI F., PELLIZZARI G. (2016a) *Kermes vermilio* Planchon and *Nidularia pulvinata* (Planchon, 1864) (Hemiptera Kermesidae) outbreaks off urban *Quercus ilex* L. (Fagaceae). *XIV International Symposium on Scale Insect Studies – ISSIS, June, 13th-16th, 2016, Catania, Italy*, poster.
- ROBERTO R., POLLASTRO S., PORCELLI F. & PELLIZZARI G. (2016b) *Nidularia pulvinata* (Planchon) (Hemiptera: Kermesidae) urban outbreaks associated with entomopathogenic fungi. *XIV International Symposium on Scale Insect Studies - ISSIS, June, 13th-16th, 2016, Catania, Italy*, Oral presentation.
- ÜLGENTÜRK S. & PELLIZZARI G. (2013) A new species of Poliaspoides MacGillivray (Hemiptera, Diaspididae) on *Bambusasiamensis* (Poaceae) imported into Turkey. *Zootaxa*, 3694 (5): 493–499.
- ÜLGENTÜRK S., PORCELLI F. & PELLIZZARI G. (2014) The Scale Insects (Hemiptera: Coccoidea) on Bamboos in the Western-Palaearctic Region: New Records and Distributional Data. *Acta Zoologica Bulgarica, Suppl.* 6: 77–82.