

## **POSITION**

University of Basilicata (31/07/2019 to date)

Researcher type A (RTD A), for the disciplinary scientific sector General and Applied Entomology (SSD AGR/11). Contract funded by MIUR - PON R&I 2014-2020 within the program "Attraction and International Mobility"

## **EDUCATION**

University of Basilicata, Potenza, 2013-2016

Ph.D. in "Science" XXIX Cycle (awarded 20/04/2017). Thesis title: "Physiological and molecular interaction in the host parasitoid system *Heliothis virescens*/Toxoneuron nigriceps: the role of Toxoneuron nigriceps bracovirus (TnBV)" SSD AGR/11

University of Roma Tre, Roma, 2013

Master degree, 110/110, in Biology applied to molecular, cellular and physiopathological research Roma Tre University, Roma (Italia) (LM-06). Thesis title: "Non-genomic effects of thyroid hormone on migration and proliferation mediated by IGF-1 in Thp-1 monocytes: role of integrin  $\alpha\beta3$ "

University of La Sapienza, Roma, 2011

Bachelor degree in Biology La Sapienza University, Roma (Italia) (DM 509/99) Thesis title: "Molecular aspects common between Alzheimer's disease and diabetic retinopathy"

## **EXPERIENCES ABROAD**

-Institut de Recherche sur la Biologie des Insectes (IRBI / CNRS) of the Université François Rabelais (04/08/2015 – 03/03/2016) under the supervision of the Director Jean-Michel Drezen for research on Virus Like Particles of *Venturia canescens*

-Texas A & M University (College Station, Texas, USA) (26/08/2014 - 28/02/2015) under the supervision of Dr. Brad Vinson and Dr. Craig Coates for research activities on molecular and physiological interactions of the host/parasitoid system *Toxoneuron nigriceps* / *Heliothis virescens*

## **RESEARCH EXPERIENCE/ACTIVITIES**

-Author of 62 scientific publications, whose 28 scientific articles published on journals with IF (Scopus:h-index 9; Total Citations: 184- period 2014-2021)

-Research activities are focused mainly on the field of biomimetics, that is the study of living organisms, insects in particular, and of the molecular mechanisms underlying their behavior, biology and physiology, as sources of molecules and useful processes to humans. In particular main research topics are:

- study of the molecular and functional bases of host-parasitoid interactions in insects;
- isolation and characterization of virulence factors encoded by parasitoids with potential insecticide activity;
- biotechnologies for pest insects control;
- molecular bases of insect olfactory perception, to develop nanobiosensors;
- insects as models to study conserved biochemical pathways;

- *Hermetia illucens* to valorize by-products by bioconversion;
- molecular and functional analysis of *Hermetia illucens* Antimicrobial Peptides;
- chitin and chitosan derived by insects for different applications (edible coatings for the extension of agrifood products shelf life, wastewater treatment and cosmetic applications);
- lipid extraction from bioconverter insects, for the formulation of personal care products.

-Member of the Editorial Board of Bulletin of Insectology (<http://www.bulletinofinsectology.org/edboard2.htm>)

- Guest Editor dello Special Issue "Insects at the Center of the Green Transition" of Insects ([https://www.mdpi.com/journal/insects/special\\_issues/insects\\_transition](https://www.mdpi.com/journal/insects/special_issues/insects_transition)) dal 06-08-2021 a oggi.

-Invited referee for the international scientific journals PloSone and Frontiers in Physiology

-Scientific responsibility of research project of local interest (RIL) funded by the University of Basilicata on competitive calls: year 2020

-Scientific responsibility of AIM funds (2019-2020)

-University of Basilicata (10/08/2018-31/07/2019)

*Post doc* for the activity on the project "Biocontrol strategies of stress agents, for the safeguard of the cultural heritage "within the" Smart Cities "and" Biomon "projects - Head of Prof. Sabino Aurelio Bufo, Department of Sciences, University of Basilicata, under the supervision of Prof. Patrizia Falabella, Department of Sciences, University of Basilicata.

-University of Basilicata (19/02/2018 – 19/04/2018)

Contract for the activity on "Macroinvertebrate analysis and evaluation of the ecomorphological index (EMI) and of the index of the biological quality of soil - QBS-ar" under the supervision of Prof. Patrizia Falabella and Prof. Sabino Aurelio Bufo, Department of Sciences, University of Basilicata.

-University of Basilicata (19/12/2017 – 19/03/2018)

Research fellowship for the activity on the project "Analysis of the venom gland of *Torymus sinensis* by transcriptomic approach" funded by University of Torino, under the supervision of Prof. Patrizia Falabella Department of Sciences, University of Basilicata, and Prof. Alberto Alma, Department of Agricultural, Forestry and Food Sciences, University of Torino.

-University of Basilicata (10/05/2017 – 10/11/2017)

Continuous collaboration contract for the project "Molecular analysis of *Xylella fastidiosa* vectors", under the supervision of Prof. Patrizia Falabella, Department of Sciences, University of Basilicata

## **TECHNOLOGY TRANSFER**

Legal representative of XFLIES s.r.l.", academic spin-off and innovative start-up. The Company has, as its object, the creation, management and development of insect breeding systems on artificial standard diets and on by-products of the agrifood industry of useful insects, in particular the spin-off rears insects useful in biological and integrated pest control for the crop protection and useful insects for bioconversion processes, for feed and in perspective food, and as source of molecules and model

systems to study conserved biochemical pathways (primarily *Tenebrio molitor*, *H. illucens*, *Galleria mellonella*). In addition, the company markets insects for the production of insect flours and processed animal proteins (PAP) to be used for feed and in perspective for food and deals with research activities relating to the production of antimicrobial peptides as recombinant proteins and the extraction, purification and characterization of chitin and its derivative chitosan. deriving from insects.

The company is member of the International Platform of Insects for Food and Feed (IPIFF) from 2019

## **TEACHING ACTIVITY**

Academic Year 2021/2022

-Assignment of the teaching “Insects in biomimicry” (6 CFU) Degree course in Biotechnology, Department of Sciences, University of Basilicata.

Academic Year 2020/2021

-Assignment of the teaching “Applications of entomological biotechnologies in medical research, industry and bio-control” (6 CFU) Degree course in Biotechnology, Department of Sciences, University of Basilicata.

Academic Year 2019/2020

-Assignment of exercises (1 CFU) for the teaching “Entomology and Zoology”, for the Degree Course in Forest and Environmental Sciences, School of Agricultural, Forestry, Food and Environmental Sciences, University of Basilicata

-Co-tutor of the PhD student Dr. Antonio Franco, project “Innovative processes for lipid extraction from bioconverter insects, qualitative and quantitative evaluation and industrial applications for the formulation of personal care products”

Academic Years 2017/2018

-Assignment of exercises (0,5 CFU) for the teaching “Entomology and Zoology”, for the Degree Course in Forest and Environmental Sciences, School of Agricultural, Forestry, Food and Environmental Sciences, University of Basilicata

-Co-supervisor of Bachelor's thesis in Forestry and Environmental Sciences (Dr. Rossella Castronuovo) and in Biotechnology (Dr. Francesco Iannielli)

Academic Years 2016/2017

-Assignment of exercises (0,6 CFU) for the teaching “Entomology and Zoology”, for the Degree Course in Forest and Environmental Sciences, School of Agricultural, Forestry, Food and Environmental Sciences, University of Basilicata

-Co-supervisor of five Bachelor's Degree theses in Biotechnology (Dr Margherita Macellaro, Dr. Marina Cavallo, Dr. Donato Zaccagnino, Dr. Filomena Mango, Dr. Giustina Filosi)

Academic Year 2013/2014

-Assignment of exercises (0,8 CFU) for the teaching “Food Hygiene and Food Protection” of the degree course in Food Technologies, School of Agricultural, Forestry, Food and Environmental Sciences, University of Basilicata

## **AWARDED**

-Among the finalists for the National Innovation Award (PNI), Verona 29-30 November 2018, in the Industrial sector with the idea of innovative start-up Xflies

-First prize for the competition among 13 finalists START CUP BASILICATA 2018 with the academic spin-off XFLieS

-Prize for the second place awarded ex equo to the four finalists of the Heroes Prize competition of the Euro Mediterranean Festival on Innovation and Enterprise-Heroes, Maratea 20-22 September 2018 with the idea of innovative start-up XFLieS

-Among the ten finalists at the START CUP BASILICATA 2017 competition with the idea of innovative start-up OBSENSOR

-December 2017 - Winner of the scholarship funded by the Italian Proteomic Association- awards for worthy young researchers for the project “Protein analysis of *Torymus sinensis* venom”

-Fellowship on the following oral contribution:

SALVIA R., CARMOSINO M., BUFO S.A., FALABELLA P., The multifunctional polydnavirus ANK1 protein: new insights for apoptotic pathway. Cell Stress: Survival and Apoptosis, Bari, 9-10 September 2016 (ORAL).

## **PUBLICATIONS**

1. INCERPI S., LIN H., DE VITO P., FIORE A. M., AHMED R., **SALVIA R.**, CANDELOTTI E., LULY P., PEDERSEN J., DAVIS F. AND DAVIS P. Thyroid hormone inhibition in L6 Myoblasts of IGF-1 mediated glucose uptake and proliferation: new roles for integrin  $\alpha\beta3$ . American Journal of Physiology-Cell Physiology, **2014**, 15;307(2):C150-61. Codice ISI WOS: 000339173800004. Codice SCOPUS: 2-s2.0-84904290222. DOI: 10.1152/ajpcell.00308.2013. IF: 3.780, Q1 – Physiology per l’anno 2014; IF: 4.249, Q1 – Physiology per l’anno 2020; n. citazioni = 21.
2. ADAMSKI Z., MARCINIAK P., ZIEMNICKI K., BÜYÜKGÜZEL E., ERDEM M., BÜYÜKGÜZEL K., VENTRELLA E., FALABELLA P., CRISTALLO M., **SALVIA R.**, SCRANO L. & BUFO S.A. Potato leaf extract and its component,  $\alpha$ -solanine, exert similar impacts on development and oxidative stress in *Galleria mellonella* L. Archives of Insect Biochemistry and Physiology, **2014**, 87: 26-39. Codice ISSN: 07394462. Codice SCOPUS: 2-s2.0-84905732317. Codice ISI WOS: 000340608000003. DOI: 10.1002/arch.21177. IF: 1.021, Q2 – Entomology per l’anno 2014; IF: 1.698, Q2 – Entomology per l’anno 2020; n. citazioni = 11.
3. BATTAGLIA D., COLELLA T., LAURINO S., GROSSI G., **SALVIA R.**, RIVIELLO L., GRIMALDI A., CONGIU T., DE EGUILEOR M. & FALABELLA P. The effect of *Leptomastix dactylopii* parasitism and venom injection on host *Planococcus citri*. Invertebrate Survival Journal, **2014**, 11: 273-285. Codice ISSN: 1824-307X. Codice SCOPUS: 2-s2.0-

84930668974. Codice ISI WOS: 000350915300027. IF: 0.929, Q3 – Zoology per l’anno 2014; IF: 1.115, Q3 – Zoology per l’anno 2020; n. citazioni = 3.
4. LAURINO S., GROSSI G., PUCCI P., FLAGIELLO A., BUFO S.A., BIANCO G., **SALVIA R.**, VINSON S.B., VOGEL H. & FALABELLA P. Identification of major *Toxoneuron nigriceps* venom proteins using an integrated transcriptomic/proteomic approach. *Insect Biochemistry and Molecular Biology*, **2016**, 76: 49–61. Codice ISSN: 09651748. Codice SCOPUS: 2-s2.0-84978880001. Codice ISI WOS: 000383298400006. DOI: 10.1016/j.ibmb.2016.07.001. IF: 3.756, Q1 – Entomology per l’anno 2016; IF: 4.714, Q1 – Entomology per l’anno 2020; n. citazioni = 24.
  5. PEZZI M., LEIS M., CHICCA M., FALABELLA P., **SALVIA R.**, SCALA A. & WHITMORE D. Morphology of the Antenna of *Hermetia illucens* (Diptera: Stratiomyidae): an Ultrastructural Investigation. *Journal of Medical Entomology*, **2017**, 13: 925–933. Codice ISSN: 00222585. Codice SCOPUS: 2-s2.0-85023178184. Codice ISI WOS: 000405349000016. DOI: 10.1093/jme/tjx055. IF: 1.968, Q1 - Veterinary sciences, Q1 – Entomology per l’anno 2017; IF: 2.278, Q1 - Veterinary sciences, Q2 – Entomology per l’anno 2020; n. citazioni = 3.
  6. **SALVIA R.**, GROSSI G., AMORESANO A., SCIEUZO C., NARDIELLO M., GIANGRANDE C., LAURENZANA I., RUGGIERI V., BUFO S.A., VINSON B.S., CARMOSINO M., NEUNEMANN D., VOGEL H., PUCCI P. & FALABELLA P. The multifunctional polydnavirus *TnBVANK1* protein: impact on host apoptotic pathway. *Nature Scientific Reports*, **2017**, 7: 11775. Codice ISSN: 20452322. Codice SCOPUS: 2-s2.0-85029591684. Codice ISI WOS: 000410916100033. DOI: 10.1038/s41598-017-11939-x. IF: 4.122, Q1 - Multidisciplinary Sciences per l’anno 2017; IF: 4.379, Q1 - Multidisciplinary Sciences per l’anno 2020; n. citazioni = 12.
  7. BRUNO D., GROSSI G., **SALVIA R.**, SCALA A., FARINA D., GRIMALDI A., ZHOU J.J., BUFO S.A., VOGEL H., GROSSE-WILDE E., HANSSON B. & FALABELLA P. Sensilla Morphology and Complex Expression Pattern of Odorant Binding Proteins in the Vetch Aphid *Megoura viciae* (Hemiptera: Aphididae). *Frontiers in Physiology*, **2018**, 9: 777. Codice ISSN: 1664042X. Codice SCOPUS: 2-s2.0-85049120898. Codice ISI WOS: 000436159200001. DOI: 10.3389/fphys.2018.00777. IF: 3.201, Q2 – Physiology per l’anno 2018; IF: 4.566, Q1 – Physiology per l’anno 2020; n. citazioni = 7, (**co-first author**).
  8. SCIEUZO C., NARDIELLO M., **SALVIA R.**, PEZZI M., CHICCA M., LEIS M., BUFO S.A., VINSON S.B., RAO A., VOGEL H. & FALABELLA P. Ecdysteroidogenesis and development in *Heliothis virescens* (Lepidoptera: Noctuidae): Focus on PTH stimulated pathways. *Journal of Insect Physiology*, **2018**, 107: 57-67. Codice ISSN: 00221910. Codice SCOPUS: 2-s2.0-85042317632. Codice ISI WOS: 000434751100008. DOI: 10.1016/j.jinsphys.2018.02.008. IF: 2.862, Q1 – Entomology per l’anno 2018; IF: 2.354, Q2 – Entomology per l’anno 2020; n. citazioni = 5, (**co-first author**).
  9. **SALVIA R.**, NARDIELLO M., SCIEUZO C., SCALA A., BUFO S.A., RAO A., VOGEL H. & FALABELLA P. Novel Factors of Viral Origin Inhibit TOR Pathway Gene Expression. *Frontiers in Physiology*, **2018**, 9: 1678. Codice ISSN: 1664-042X. Codice SCOPUS: 2-s2.0-85064114008. Codice ISI WOS: 000451348900001. DOI: 10.3389/fphys.2018.01678. IF: 3.201, Q2 – Physiology per l’anno 2018; IF: 4.566, Q1 – Physiology per l’anno 2020; n. citazioni = 2.
  10. ADAMSKI Z., BUFO S.A., CHOWAŃSKI S., FALABELLA P., LUBAWY P., MARCINIAK P., PACHOLSKA-BOGALSKA J., **SALVIA R.**, SCRANO L., SŁOCIŃSKA M., SPOCHACZ M., SZYMCZAK M., URBAŃSKI A., WALKOWIAK-NOWICKA K. & ROSIŃSKI G. Beetles as Model Organisms in Physiological, Biomedical and Environmental Studies – A Review). *Frontiers in Physiology*, **2019**, 10: 319. Codice ISSN: 1664042X.

Codice SCOPUS: 2-s2.0-85064400611. Codice ISI WOS: 000462581300001. DOI: 10.3389/fphys.2019.00319. IF: 3.367, Q1 – Physiology per l'anno 2019; IF: 4.566, Q1 – Physiology per l'anno 2020; n. citazioni = 25.

11. BARI G., SCALA A., GARZONE V., **SALVIA R.**, YALCIN C., VERNILE P., ARESTA A.M., FACINI O., BARALDI R., BUFO S.A., VOGEL H., DE LILLO E., RAPPARINI F. & FALABELLA P. Chemical ecology of *Capnodis tenebrionis* (L.) (Coleoptera: Buprestidae): behavioral and biochemical strategies for intraspecific and host interactions. *Frontiers in Physiology*, **2019**, 10(5), 604. Codice ISSN: 1664042X. Codice SCOPUS: 2-s2.0-85068261576. Codice ISI WOS: 000551719600001. DOI: 10.3389/fphys.2019.00604. IF: 3.367, Q1 – Physiology per l'anno 2019; IF: 4.566, Q1 – Physiology per l'anno 2020; n. citazioni = 3.
12. **SALVIA R.**, GRIMALDI A., GIRARDELLO R., SCIEUZO C., SCALA A., BUFO S.A., VOGEL H. & FALABELLA P. *Aphidius ervi* teratocytes release Enolase and Fatty Acid Binding Protein through exosomal vesicles. *Frontiers in Physiology*, **2019**, 10: 715. Codice ISSN: 1664042X. Codice SCOPUS: 2-s2.0-85069164383. Codice ISI WOS: 000472051400001. DOI: 10.3389/fphys.2019.00715. IF: 3.367, Q1 – Physiology per l'anno 2019; IF: 4.566, Q1 – Physiology per l'anno 2020; n. citazioni = 3.
13. NARDIELLO M., **SALVIA R.**, SCALA A., SCIEUZO C., BUFO S.A., FRANCO A., VOGEL H., DI SOMMA A., DUILIO A. & FALABELLA P. Ecdysteroideogenesis in *Heliothis virescens* (Lepidoptera: Noctuidae): recombinant prothoracicotropic hormone and brain extract show comparable effects. *Journal of Insect Science*, **2019**, 19: 23. Codice ISSN: 15362442. Codice SCOPUS: 2-s2.0-85068495142. Codice ISI WOS: 000472811700001. DOI: 10.1093/jisesa/iez057. IF: 1.325, Q2 – Entomology per l'anno 2019; IF: 1.857, Q2 – Entomology per l'anno 2020; n. citazioni = 0, **(co-first author)**
14. DENNIS A.B., BALLESTEROS G.I., ROBIN S., SCHRADER L., BAST J., BERGHÖFER J., BEUKEBOOM L.W., BELGHAZI M., BRETAUDEAU A., BUELLESBACH J., CASH E., COLINET D., DUMAS Z., ERBII M., FALABELLA P., GATTI JL., GEUVERINK E., GIBSON J.D., HERTAEG C., HARTMANN S., JACQUIN-JOLY E., LAMMERS M., LAVANDERO B.I., LINDENBAUM I., MASSARDIER-GALATA L., MESLIN C., MONTAGNÉ N., PAK N., POIRIÉ M., **SALVIA R.**, SMITH C.R., TAGU D., TARES S., VOGEL H., SCHWANDER T., SIMON J.C., FIGUEROA C.C., VORBURGER C., LEGEAI F. & GADAU J. Functional insights from the GC-poor genomes of two aphid parasitoids, *Aphidius ervi* and *Lysiphlebus fabarum*. *BMC Genomics*, **2020**, 21(1), 376. Codice ISSN: 14712164. Codice SCOPUS: 2-s2.0-85085658505. Codice ISI WOS: 000537992400002. DOI: 10.1186/s12864-020-6764-0. IF: 3.969, Q2 - Biotechnology & applied microbiology per l'anno 2020; n. citazioni = 4.
15. HAHN T., TAFI E., PAUL A., **SALVIA R.**, FALABELLA P. & ZIBEK S. Current state of the chitin purification and chitosan production from insects. *Journal of Chemical Technology & Biotechnology*, **2020**, 11: 2775-2795. Codice ISSN: 02682575. Codice SCOPUS: 2-s2.0-85089779867. Codice ISI WOS: 000562259500001. DOI: 10.1002/jctb.6533. IF: 3.174, Q2 – Chemistry, Multidisciplinary per l'anno 2020; n. citazioni = 8.
16. MORETTA A., **SALVIA R.**, SCIEUZO C., DI SOMMA A., VOGEL H., PUCCI P., SGAMBATO A., WOLFF M. & FALABELLA P. A bioinformatic study of antimicrobial peptides identified in the Black Soldier Fly (BSF) *Hermetia illucens* (Diptera: Stratiomyidae). *Nature Scientific Reports*, **2020**, 10(1), 16875. Codice ISSN: 20452322. Codice SCOPUS: 2-s2.0-85092243676. Codice ISI WOS: 000615371900008. DOI: 10.1038/s41598-020-74017-9. IF: 4.379, Q1 - Multidisciplinary Sciences per l'anno 2020; n. citazioni = 11.

17. SCALA A., CAMMACK J., **SALVIA R.**, SCIEUZO C., FRANCO A., BUFO S.A., TOMBERLIN J.K. & FALABELLA P. Rearing substrate impacts growth and macronutrient composition of *Hermetia illucens* (L.) (Diptera: Stratiomyidae) larvae produced at an industrial scale. *Nature Scientific Reports*, **2020**, 10: 19448. Codice ISSN: 20452322. Codice SCOPUS: 2-s2.0-85095727943. Codice ISI WOS: 00595151600002. DOI: 10.1038/s41598-020-76571-8. IF: 4.379, Q1 - Multidisciplinary Sciences per l'anno 2020; n. citazioni = 4.
18. PEZZI M., SCAPOLI C., BHARTI M., FAUCHEUX M.J., CHICCA M., LEIS M., MARCHETTI M.G., MAMOLINI M., **SALVIA R.**, FALABELLA P. & BONACCI T. Fine structure of maxillary palps in adults of *Hermetia illucens* (Diptera: Stratiomyidae). *Journal of Medical Entomology*, **2021**, 58: 658–665. Codice ISSN: 00222585. Codice SCOPUS: 2-s2.0-85102964371. DOI: 10.1093/jme/tjaa251. IF: 2.278, Q1 – Veterinary Sciences, Q2 – Entomology per l'anno 2020; n. citazioni = 0.
19. **SALVIA R.**, SCIEUZO C., GRIMALDI A., FANTI P., MORETTA A., FRANCO A., VARRICCHIO P., VINSON S.B. & FALABELLA P. Role of Ovarian Proteins Secreted by *Toxoneuron nigriceps* (Viereck) (Hymenoptera, Braconidae) in the Early Suppression of Host Immune Response. *Insects*, **2021**, 12: 33. Codice ISSN: 20754450. Codice SCOPUS: 2-s2.0-85099436983. Codice ISI WOS: 000610278100001. DOI: 10.3390/insects12010033. IF: 2.769, Q1 – Entomology per l'anno 2020; n. citazioni = 0.
20. MANNIELLO M.D., MORETTA A., SALVIA R., SCIEUZO C., LUCCHETTI D., VOGEL H., SGAMBATO A. & **FALABELLA, P.** Insect antimicrobial peptides: potential weapons to counteract the antibiotic resistance. *Cellular and Molecular Life Sciences*, **2021**, 78: 4259–4282. Codice ISSN: 1420682X. Codice SCOPUS: 2-s2.0-85101145160. Codice ISI WOS: 000618955800001. DOI: 10.1007/s00018-021-03784-z. IF: 9.261, Q1 - Biochemistry & molecular biology per l'anno 2020; n. citazioni = 6, (**co-first author**).
21. SCIEUZO C., **SALVIA R.**, FRANCO A., PEZZI M., COZZOLINO F., CHICCA M., SCAPOLI C., VOGEL H., MONTI M., FERRACINI C., PUCCI P., ALMA A. & FALABELLA P. An integrated transcriptomic and proteomic approach to identify the main *Torymus sinensis* venom components. *Nature Scientific Reports*, **2021**, 11: 5032. Codice ISSN: 20452322. Codice SCOPUS: 2-s2.0-85101994370. Codice ISI WOS: 000626138700027. DOI: 10.1038/s41598-021-84385-5. IF: 4.379, Q1 - Multidisciplinary Sciences per l'anno 2020; n. citazioni = 1, (**co-first author**).
22. TRIUNFO M., TAFI E., GUARNIERI A., SCIEUZO C., HAHN T., ZIBEK S., **SALVIA R.** & FALABELLA P. Insect Chitin-Based Nanomaterials for Innovative Cosmetics and Cosmeceuticals. *Cosmetics*, **2021**, 8(2), 40. Codice ISSN: 20799284. Codice SCOPUS: 2-s2.0-85107573686. DOI: 10.3390/cosmetics8020040. Q2 – Pharmaceutical Sciences per l'anno 2020; n. citazioni = 0, (**co-corresponding author**).
23. MORETTA A., SCIEUZO C., PETRONE A.M., **SALVIA R.**, MANNIELLO M.D., FRANCO A., LUCCHETTI D., VASSALLO A., VOGEL H., SGAMBATO A., **FALABELLA P.** Antimicrobial Peptides: A New Hope in Biomedical and Pharmaceutical Fields. *Frontiers in Cellular and Infection Microbiology*, **2021**, 11, 453. Codice ISSN: 22352988. Codice SCOPUS: 2-s2.0-85109003039 DOI: 10.3389/fcimb.2021.668632. IF: 5.293, Q1 – Microbiology per l'anno 2020; n. citazioni = 0, (**co-first author**).
24. **SALVIA R.**, FALABELLA P. Bioconverter insects: a good example of circular economy, the study case of *Hermetia illucens*. In: An introduction to the circular economy. Ed. by Morganti P. and Coltelli B. Nova Science Publishers, Inc. Codice ISBN: 978-1-53619-233-9 (**2021**) Codice SCOPUS: 2-s2.0-85109017314.
25. BERTINI L., COZZOLINO F., PROIETTI S., FALCONIERI G.S., IACOBUCCI I., **SALVIA R.**, FALABELLA P., MONTI M., CARUSO C. What antarctic plants can tell us

- about climate changes: Temperature as a driver for metabolic reprogramming. *Biomolecules*, **2021**, 11(8), 1094. Codice ISSN 2218273X. Codice SCOPUS: 2-s2.0-85110630818. Codice ISI WOS: 000689010800001. Codice DOI: 10.3390/biom11081094. IF: 4.879, Q2-Biochemistry & Molecular Biology per l'anno 2020; n. citazioni = 0
26. MARTA SPOCHACZ M., SZYMON CHOWAŃSKI S., SZYMCZAK-CENDLAK M., MARCINIAK P., LELARIO F., **SALVIA R.**, NARDIELLO M., SCIEUZO C., SCRANO L., BUFO S.A., ADAMSKI Z. AND FALABELLA P. *Solanum nigrum* Extract and Solasonine Affected Hemolymph Metabolites and Ultrastructure of the Fat Body and the Midgut in *Galleria mellonella*. *Toxins*, 2021 3(9), 617; Codice DOI: 10.3390/toxins13090617. IF: 4.546, Q1 – Toxicology per l'anno 2020; n. citazioni = 0
27. SCIEUZO C., NARDIELLO M., FARINA D., SCALA A., CAMMACK J.A., TOMBERLIN J.K., VOGEL H., **SALVIA R.**, PERSAUD K., FALABELLA P. *Hermetia illucens* (L.) (Diptera: Stratiomyidae) Odorant Binding Proteins and their Interactions with Selected Volatile Organic Compounds: an *in silico* Approach. *Insects*, **2021**, 12(9), 814. DOI:10.3390/insects12090814. IF: 2.769, Q1 – Entomology per l'anno 2020; n. citazioni = 0, **(co-corresponding author)**
28. FRANCO A., SCIEUZO C., **SALVIA R.**, PETRONE A.M., TAFI E., MORETTA A., SCHMITT E., FALABELLA P. Lipids from *Hermetia illucens*, an Innovative and Sustainable Source. *Sustainability*. **2021**, **(co-first author e co-corresponding author)**.
29. FRANCO A., SCIEUZO C., SALVIA R., MANCINI I.M., CANIANI D., MASI S., FALABELLA P. Valorisation of dairy manure through the bioconverter insect *Hermetia illucens*. Sottomesso alla rivista *Bulletin of Insectology*. **2021**, **(co-corresponding author)**.

Authorization for the processing of personal data in accordance with current privacy legislation

Potenza, 09/24/2021 2021

Rosanna Salvia

