Giuliana Favara

Nationality: Italian   **Date of birth:** 18/04/1994   **Gender:** Female   ☎ **Phone number:** (+39) 3293949278

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📍 **Home:** 96016 Lentini (Italy)

WORK EXPERIENCE

Research activity - ASSISTANT PROFESSOR (RTDA) MED/01
Department of Medical and Surgical Sciences and Advanced Technologies, University of Catania [01/03/2023 – Current]

City: Catania
Country: Italy

1. Epidemiology
2. Biostatistics
3. Nutritional Epidemiology
4. Molecular Epidemiology
5. Molecular Analysis, evaluation of biomarkers of exposure, susceptibility and effect
6. Epigenetics, Nutrigenetics, and Nutrigenomics
7. Database management and Data analysis
8. Systematic review and Meta-analysis

Research activity- Research fellow MED/42
Department of Medical and Surgical Sciences and Advanced Technologies, University of Catania [16/09/2022 – 28/02/2023]

City: Catania
Country: Italy

Research program: "Sorveglianza, controllo e prevenzione delle malattie trasmissibili e cronico degenerative: sistemi informativi ed epidemiologia molecolare per la Sanità pubblica" - Scientific supervisor Professor Antonella Agodi

Activities to support research projects, including:
1. application of an integrated approach of epidemiological data management and the use of information systems;
2. application of genome-based technologies for the epidemiological study of communicable and non-communicable diseases;
3. translational research applied to epidemiological characterisation of microorganisms responsible for infections;
4. study of biomarkers of exposure, effect, susceptibility and epigenetic in specific groups of population at risk

Research activity- PhD in Informatics
Department of Mathematics and Informatics, University of Catania [11/2018 – 01/2022]

City: Catania
Country: Italy

Tutor Professor Antonella Agodi (MED/42), Department of Medical and Surgical Sciences and Advanced Technologies "GF Ingrassia", University of Catania.
PhD thesis: *"Application of Public Health Informatics to monitor and prevent Healthcare Associated Infections and related outcomes in Intensive Care Units"*

Design, analysis and evaluation of epidemiological studies; surveillance of infectious diseases and antimicrobial resistance; analysis and identification a priori and a posteriori of nutritional profiles; molecular biology techniques for the analysis of genetic, epigenetic and aging biomarkers (nucleic acid extraction, PCR and Real Time PCR, pyro-sequencing); collection and management of surveillance data aimed at improving care in intensive care units (ICUs) in a multicentric context; use and management of a web-based data collection information system; identification of the main risk factors for healthcare-related infections (HAIs) through big data analysis; application of epidemiological methodologies; application of machine learning techniques for risk prediction; systematic review and meta-analysis of scientific literature

Research Activity - Internship
Department of Medical and Surgical Sciences and Advanced Technologies, University of Catania [01/01/2018 – 30/10/2018]

Address: Catania (Italy)
City: Catania
Country: Italy

■ Systematic review
■ Meta-analysis
■ Epidemiology
■ Nutrigenetics and Nutrigenomics
■ Epigenetics (DNA methylation, Histone modification and miRNA analyses)
■ Database management
■ Data analysis (descriptive statistics, risk estimation, correlation, regression analysis, factor analysis, cluster analysis, ROC curve analysis, survival analysis, predictive modelling)
■ Dietary pattern analysis

Research Activity - Internship
Department of Medical and Surgical Sciences and Advanced Technologies, University of Catania [01/04/2016 – 28/02/2017]

Address: Catania (Italy)
City: Catania
Country: Italy

■ Systematic review
■ Meta-analysis
■ Epidemiology
■ Database management
■ Data analysis
■ Public Health Genomics, Nutrigenetics and Nutrigenomics ■ DNA methylationan analysis
■ Infection control
■ Environment and Food Safety control

Teaching activity
Sicilian School of Training in General Medicine [07/09/2022]

City: Catania
Country: Italy

Teaching position (5 hours), as part of the XIII modulo "Principi di statistica per il MMG. Trial clinici e metanalisi" of the 1st year of the course of the Specific Training School in General Medicine, at the Cannizzaro Hospital (Catania,Italy)

Teaching activity
Department of Biological, Geological and Environmental Sciences, University of Catania [05/2022 – 09/2022]

City: Catania
Country: Italy

Tutor position for the Integrated Course of Hygiene and Statistics, Bachelor Degree in Biological Sciences (Professor Martina Barchitta)

-Teaching activities to support students in the study methodology of teaching Hygiene and Statistics;
-Integrative activities of collaboration with the professor (i.e., management of exams, online laboratory activities on the main topics of the course);
-Supporting for bibliographic research aimed to draft the thesis

Teaching activity
Department of Biological, Geological and Environmental Sciences, University of Catania [03/2021 – 07/2021]

City: Catania
Country: Italy

Tutoring for the Integrated Course of Hygiene and Statistics, Bachelor Degree in Biological Sciences (Professor Martina Barchitta)
   • Teaching activities to support students in the study methodology of teaching Hygiene and Statistics;
   • Integrative activities of collaboration with the professor (i.e., management of exams, online laboratory activities on the main topics of the course);
   • Support for bibliographic research aimed to draft the thesis

Participation to National Research Projects
Department of Medical and Surgical Sciences and Advanced Technologies, University of Catania

City: Catania
Country: Italy

-"La coorte Mamma & Bambino: un approccio Multisettoriale Alla salute Materno-Infantile Mediante valutazione dell'Esposoma nelle Donne - MAMI-MED"; (Scientific Supervisor Prof. Antonella Agodi, SSD MED/42);

-"Healthy diet and lifestyles among University of Catania Students: a mobile Ecological Momentary Assessment (mEMA) approach for health promotion, HEALTHY-UNICT"; (Scientific Supervisor Prof. Martina Barchitta);

-"Impatto di caratteristiche epidemiologiche, radiologiche, cliniche e molecolari nella diagnosi e nel management delle polmoniti COVID-19 – EPIRADIOCLINF: un approccio di studio integrato" (Scientific Supervisor Prof. Antonella Agodi);

-"Sorveglianza attiva Prospettica delle Infezioni Nosocomiali nelle Unità di Terapia Intensiva" (SPIN-UTI) del GISIO-SitI (Scientific Supervisor Prof. Antonella Agodi);

-"Dieta e marcatori epigenetici: ruolo della dieta materna sui pattern epigenetici nelle madri e nei nascituri" (2015 - ongoing; Scientific Supervisor Prof.ssa Antonella Agodi);

-"Polimorfismi del recettore per la vitamina D nei pazienti affetti da bronchiectasie" (Scientific Supervisor Prof. Antonella Agodi);

-"Contribution of dietary habits to disease activity in multiple sclerosis"- Dieta e Sclerosi Multipla" (Scientific Supervisor Prof. Martina Barchitta);

-"Non-communicable diseases risk: an integrated approach of nutritional and molecular epidemiology" (2018 - ongoing; Scientific Supervisor Prof.ssa Antonella Agodi);

-"Profili nutrizionali, fattori protettivi e biomarcatori molecolari per la prevenzione del cervico-carcinoma" (2014-2016; Scientific Supervisor Prof.ssa Antonella Agodi);

Participation to International Research Projects
Department of Medical and Surgical Sciences and Advanced Technologies, University of Catania

City: Catania
Country: Italy

"*Protocol for hospital-based studies to measure risk of SARS-CoV-2 infection and identify risk factors for SARS-CoV-2 transmission among health workers*", in the framework of the european project "*Establishing Severe Acute Respiratory Infections (SARI) surveillance and performing hospital-based COVID-19 transmission studies*". European Centre for Disease Prevention and Control (ECDC) and Epiconcept, France. Scientific supervisor of Catania: Professor Antonella Agodi

"*European study to measure COVID-19 vaccine effectiveness against confirmed SARS-CoV-2 using health worker cohorts*", in the framework of the european project "*Developing an infrastructure and performing vaccine effectiveness studies for COVID-19 vaccines in the EU/ EEA*". European Centre for Disease Prevention and Control (ECDC) and Epiconcept, France. Scientific supervisor of Catania: Professor Antonella Agodi

Participation to National and International Conferences

Oral presenter at the following national and international conferences:

"Giornate della ricerca scientifica e delle esperienze professionali dei giovani" of the SItI society (Roma, 20-21 Dicembre 2019); Giuliana Favara, Andrea Maugeri, Claudia La Mastra, Maria Clara La Rosa, Roberta Magnano San Lio, Martina Barchitta, SPIN-UTI network of the GISIO-SItI group- "*Cluster analysis for the identification of patients at risk of healthcare associated infections in intensive care unit: results from the SPIN-UTI project*"

"Giornate della ricerca scientifica e delle esperienze professionali dei giovani" of the SItI society (Edizione online-25-26 Marzo 2022); Giuliana Favara, Martina Barchitta, Andrea Maugeri, Ida Mura, Antonella Agodi, SPIN-UTI Network- "*Gender-differences in determinants of risk and adverse outcomes in Intensive Care Unit: findings from the SPIN-UTI network*"

"XXX Congresso Interregionale Siculo-Calabro" of the SItI society (Lipari, 26-28 Maggio 2022); Giuliana Favara, Martina Barchitta, Andrea Maugeri, Roberta Magnano San Lio, Paolo Marco Riela, Luca Guarnera, Sebastiano Battiato, Antonella Agodi "*Sviluppo e validazione di una Web-App per l'Ecological Momentary Assessment (EMA) delle abitudini alimentari degli studenti universitari di Catania: lo studio HEALTHY-UNICT*"

Congresso Nazionale della Società Italiana di Igiene Medicina Preventiva e Sanità Pubblica (SItI) (Padova, 28 Settembre - 1 Ottobre 2022); Giuliana Favara, Martina Barchitta, Andrea Maugeri, Elisabetta Campisi, Roberta Magnano San Lio, Claudia La Mastra, Maria Clara La Rosa, Ida Mura, Antonella Agodi, network SPIN-UTI. "*Applicazi one della Cluster Analysis per lo studio dei fattori associati al rischio di Infezione Correlate all'Assistenza nelle Unità di Terapia Intensiva: i risultati del progetto SPIN-UTI*"

Research activity- Peer review and guest editor

-*Guest Editor* of the *Special Issue* "*Precision Medicine for Epidemiology and Public Health*" *Journal of Personalized Medicine*

-*Reviewer* for scientific journals of Hindawi group: *Health and Social Care in the Community, BioMed Research International, Disease Markers*

-*Reviewer for scientific journals* MDPI group: *Journal of Personalized Medicine, Journal of Clinical Medicine, Nutrients, International Journal of Molecular Sciences, Medicina, International Journal of Environmental Research and Public Health*

EDUCATION AND TRAINING

PhD in Informatics
University of Catania [01/11/2018 – 30/01/2022]

Address: Catania (Italy)

Thesis: "Application of Public Health Informatics to monitor and prevent Healthcare Associated Infections and related outcomes in Intensive Care Units". Scientific Supervisor Professor Antonella Agodi

National qualification as Biologist
University of Catania [21/12/2018]

Address: Catania (Italy)

Master's Degree in Biology - Health Sciences, cum laude
University of Catania [01/10/2016 – 12/07/2018]

Address: Catania (Italy)

- Molecular and Cellular Biology
- Hygiene and Epidemiology
- Nutritional Sciences
- Human Genetics
- Pathology
- Clinical Microbiology
- Reproductive Biology
- Pharmacology

Thesis title: "LINE-1 METHYLATION IN HEALTHY WOMEN FROM CATANIA: THE INVERSE EFFECT OF PARTICULATE MATTER EXPOSURE AND MEDITERRANEAN DIET ". Scientific Supervisor Professor Antonella Agodi

Bachelor's Degree in Biological Sciences
University of Catania [01/10/2013 – 28/02/2017]

Address: Catania (Italy)

- Chemical Sciences
- Human Anatomy
- Genetics
- Citology and Histology
- Molecular Biology
- Microbiology
- Physiology
- Hygiene and Statistics

Thesis: "PROFILI NUTRIZIONALI MATERNI E OUTCOME DELLA GRAVIDANZA". Scientific supervisor Professor Antonella Agodi

NETWORKS AND MEMBERSHIPS

Network and Memberships
[2019 – Current]

- European Public Health Association (EUPHA)

- Società Italiana di Igiene, Medicina Preventiva e Sanità Pubblica (SItI)

PEER REVIEW ACTIVITY

Peer review activity
[2022 – Current]

Guest Editor of Special Issue "Precision Medicine for Epidemiology and Public Health" in the Journal of Personalized Medicine

Reviewer for journals of the MDPI (Journal of Personalized Medicine, Journal of Clinical Medicine, Nutrients, International Journal of Molecular Sciences, Medicina, International Journal of Environmental Research and Public Health) and Hindawi groups Hindawi (Health and Social Care in the Community, BioMed Research International, Disease Markers)

CONFERENCES AND SEMINARS

La trasformazione digitale nella salute pubblica - II edizione

[Rome, 16/12/2019 – 17/12/2019]

- Artificial Intelligence (AI)
- Internet of things (IoT)
- Blockchain

La trasformazione digitale nella salute pubblica - II edizione

[Rome, 24/01/2020 – 25/01/2020]

- Digital communication
- Laboratory activities on Public Health issues

Summer School "Metaheuristics Summer School Learning & Optimization from Big Data", MESS 2020+1

[University of Catania, Italy, 15/06/2021 – 18/06/2021]

Online course

LANGUAGE SKILLS

Mother tongue(s): **Italian**

Other language(s):

English

LISTENING C2 **READING** C2 **WRITING** C2

SPOKEN PRODUCTION C2 **SPOKEN INTERACTION** C2

DIGITAL SKILLS

Microsoft Word / Microsoft Excel / Microsoft Powerpoint / SPSS software (Statistical Package for Social Science) / STATA 15 / R and R-Studio

ORGANISATIONAL SKILLS

Organisational skills

■ leadership

■ good organisational and teamwork skills through collaboration in drawing up research projects and other activities

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

■ good communication skills gained through my previous teamwork experience

■ good written and verbal presentation skills
■ able to express oneself clearly
■ telephone and email communication

JOB-RELATED SKILLS

Job-related skills

■ adequately qualified due to my ambitions and capacities

■ able to work on own without being constantly supervised

■ able to provided what is needed, respecting the priorities

- motivated
- qualified to conceive and write papers and/or grant proposal
- able to perform statistical analysis, systematic review and meta-analysis

- skilled in clinical biochemistry and molecular analysis, particularly in DNA methylation and miRNA analysis

PUBLICATIONS

Appendix 1: List of publications

Scopus Metrics (March 2023)

H-index: 11

Citation: 400

Documents: 28

Catania, 06/03/2023

Firma

Appendix 1

List of publications

1. Barchitta M, Maugeri A, La Rosa MC, Magnano San Lio R, **Favara G**, Panella M, Cianci A, Agodi A. Single Nucleotide Polymorphisms in Vitamin D Receptor Gene Affect Birth Weight and the Risk of Preterm Birth: Results From the "Mamma & Bambino" Cohort and A Meta-Analysis. Nutrients. 2018 Aug 27;10(9):1172. doi: 10.3390/nu10091172. PMID: 30150529; PMCID: PMC6164379.

2. Barchitta M, Maugeri A, **Favara G**, Magnano San Lio R, Evola G, Agodi A, Basile G. Nutrition and Wound Healing: An Overview Focusing on the Beneficial Effects of Curcumin. Int J Mol Sci. 2019 Mar 5;20(5):1119. doi: 10.3390/ijms20051119. PMID: 30841550; PMCID: PMC6429075.

3. Barchitta M, Maugeri A, Agrifoglio O, **Favara G**, La Mastra C, La Rosa MC, Magnano San Lio R, Agodi A. Dietary patterns and school performance: evidence from a sample of adolescents in Sicily, Italy. Ann Ig. 2019 Mar-Apr;31(2 Supple 1):72-80. doi: 10.7416/ai.2019.2279. PMID: 30994166.

4. Maugeri A, Barchitta M, Agrifoglio O, **Favara G**, La Mastra C, La Rosa MC, Magnano San Lio R, Panella M, Cianci A, Agodi A. The impact of social determinants and lifestyles on dietary patterns during pregnancy: evidence from the "Mamma & Bambino" study. Ann Ig. 2019 Mar-Apr;31(2 Supple 1):81-89. doi: 10.7416/ai.2019.2280. PMID: 30994167.

5. Barchitta M, Maugeri A, Agrifoglio O, **Favara G**, La Mastra C, La Rosa MC, Magnano San Lio R, Agodi A. Comparison of Self-Administered Web-Based and Interviewer Printed Food Frequency Questionnaires for Dietary Assessment in Italian Adolescents. Int J Environ Res Public Health. 2019 Jun 1;16(11):1949. doi: 10.3390/ijerph16111949. PMID: 31159389; PMCID: PMC6604022.

6. Maugeri A, Barchitta M, **Favara G**, La Rosa MC, La Mastra C, Magnano San Lio R, Agodi A. Maternal Dietary Patterns Are Associated with Pre-Pregnancy Body Mass Index and Gestational Weight Gain: Results from the "Mamma & Bambino" Cohort. Nutrients. 2019 Jun 10;11(6):1308. doi: 10.3390/nu11061308. PMID: 31185656; PMCID: PMC6627583.

7. Barchitta M, Maugeri A, Magnano San Lio R, **Favara G**, La Rosa MC, La Mastra C, Quattrocchi A, Agodi A. Dietary Patterns are Associated with Leukocyte LINE-1 Methylation in Women: A Cross-Sectional Study in Southern Italy. Nutrients. 2019 Aug 9;11(8):1843. doi: 10.3390/nu11081843. PMID: 31395820; PMCID: PMC6722720.

8. Maugeri A, Barchitta M, Fiore V, Rosta G, **Favara G**, La Mastra C, La Rosa MC, Magnano San Lio R, Agodi A. Determinants of Adherence to the Mediterranean Diet: Findings from a Cross Sectional Study in Women from Southern Italy. Int J Environ Res Public Health. 2019 Aug 17;16(16):2963. doi: 10.3390/ijerph16162963. PMID: 31426512; PMCID: PMC6720012.

9. **Favara G**, P. M. Riela, A. Maugeri, M. Barchitta, G. Gallo and A. Agodi, "Risk of Pneumonia and Associated Outcomes in Intensive Care Unit: An Integrated Approach of Visual and Cluster Analysis," 2019 IEEE World Congress on Services (SERVICES), 2019, pp. 289-294, doi: 10.1109/SERVICES.2019.00083.

10. Barchitta M, Maugeri A, Magnano San Lio R, **Favara G**, La Mastra C, La Rosa MC, Agodi A. Dietary Folate Intake and Folic Acid Supplements among Pregnant Women from Southern Italy: Evidence from the "Mamma & Bambino" Cohort. Int J Environ Res Public Health. 2020 Jan 19;17(2):638. doi: 10.3390/ijerph17020638. PMID: 31963813; PMCID: PMC7013905.

11. Barchitta M, Maugeri A, La Mastra C, Rosa MC, **Favara G**, Lio RMS, Agodi A. Dietary Antioxidant Intake and Human Papillomavirus Infection: Evidence from a Cross-Sectional Study in Italy. Nutrients. 2020 May 12;12(5):1384. doi: 10.3390/nu12051384. PMID: 32408636; PMCID: PMC7284420.

12. Bagnasco A, Zanini M, Catania G, Watson R, Hayter M, Dasso N, Dini G, Agodi A, Pasquarella C, Zotti CM, Durando P, Sasso L, Barchitta M, Maugeri A, **Favara G**, Lio RMS, Rossini A, Squeri R, Genovese C, D'Amato S, La Fauci V, Tardivo S, Moretti F, Carli A, Casini B, Baggiani A, Verani M, Giuliani AR, Fabiani L, D'Eugenio S, Boccia G, Santoro E, Orsi GB, Napoli C, Montesano M, Berdini S, Bertamino E, Perre A, Zerbetto A, D'Errico M, Ortolani S, Mercuri M, Traini T, Santarelli A, Fiorentini R, Benedetti T, Montagna MT, Mascipinto S, Torre I, Pennino F, Schiavone D, Iannicelli AM, Tartaglia E, Veronesi L, Palandri L, Morgado MSM, Giudice L, Arrigoni C, Gentile L, Bascapè B, Mura I, Sotgiu G, Barberis I, Bersi FM, Manca A, Massa E, Montecucco A, Rahmani A, Zacconi S, Riccò M, Magnavita N, Di Prinzio RR, Torregrossa MV, Calamusa G, Firenze A, Bargellini A, Ferri P, Righi E, Carraro E, Borraccino A, Traversi D, Ottino MC, Baldovin T, Torre SD, Sulaj A, Bianco A, Teti V, Novati R, Oriani R. Predicting needlestick and sharps injuries in nursing students: Development of the SNNIP scale. Nurs Open. 2020 Jun 28;7(5):1578-1587. doi: 10.1002/nop2.540. PMID: 32802379; PMCID: PMC7424443.

13. Maugeri A, Barchitta M, Magnano San Lio R, **Favara G**, La Rosa MC, La Mastra C, Basile G, Agodi A. Adherence to the Mediterranean diet partially mediates socioeconomic differences in leukocyte LINE-1 methylation: evidence from a cross-sectional study in Italian women. Sci Rep. 2020 Sep 1;10(1):14360. doi: 10.1038/s41598-020-71352-9. PMID: 32873815; PMCID: PMC7463235.

14. Barchitta M, Maugeri A, **Favara G**, Riela PM, La Mastra C, La Rosa MC, San Lio RM, Gallo G, Mura I, Agodi A; SPIN-UTI Network. Cluster analysis identifies patients at risk of catheter-associated urinary tract infections in intensive care units: findings from the SPIN-UTI Network. J Hosp Infect. 2021 Jan;107:57-63. doi: 10.1016/j.jhin.2020.09.030. Epub 2020 Oct 2. PMID: 33017617.

15. Barchitta M, Maugeri A, Magnano San Lio R, La Rosa MC, La Mastra C, **Favara G**, Giunta G, Cianci A, Agodi A. Vaccination Status of Mothers and Children from the 'Mamma & Bambino' Cohort. Vaccines (Basel). 2021 Feb 17;9(2):168. doi: 10.3390/vaccines9020168. PMID: 33671412; PMCID: PMC7921954.

16. Barchitta M, Maugeri A, **Favara G**, Riela PM, Gallo G, Mura I, Agodi A; SPIN- UTI Network. A machine learning approach to predict healthcare-associated infections at intensive care unit admission: findings from the SPIN-UTI project. J Hosp Infect. 2021 Jun;112:77-86. doi: 10.1016/j.jhin.2021.02.025. Epub 2021 Mar 5. PMID: 33676936.

17. Barchitta M, Maugeri A, **Favara G**, Riela PM, Gallo G, Mura I, Agodi A. Early Prediction of Seven-Day Mortality in Intensive Care Unit Using a Machine Learning Model: Results from the SPIN-UTI Project. J Clin Med. 2021 Mar 2;10(5):992. doi: 10.3390/jcm10050992. PMID: 33801207; PMCID: PMC7957866.

18. Maugeri A, Barchitta M, Magnano San Lio R, La Rosa MC, La Mastra C, **Favara G**, Ferlito M, Giunta G, Panella M, Cianci A, Agodi A. The Effect of Alcohol on Telomere Length: A Systematic Review of Epidemiological Evidence and a Pilot Study during Pregnancy. Int J Environ Res Public Health. 2021 May 10;18(9):5038. doi: 10.3390/ijerph18095038. PMID: 34068820; PMCID: PMC8126216.

19. Fallico M, Lotery A, Maugeri A, **Favara G**, Barchitta M, Agodi A, Russo A, Longo A, Bonfiglio V, Avitabile T, Marolo P, Borrelli E, Parisi G, Cennamo G, Furino C, Reibaldi M. Intravitreal dexamethasone implant versus anti-vascular endothelial growth factor therapy combined with cataract surgery in patients with

diabetic macular oedema: a systematic review with meta-analysis. Eye (Lond). 2021 Nov 18. doi: 10.1038/s41433-021-01847-w. Epub ahead of print. PMID: 34795415.

20. Maugeri A, Barchitta M, Magnano San Lio R, **Favara G**, La Mastra C, La Rosa MC, Agodi A. The Relationship between Body Mass Index, Obesity, and LINE-1 Methylation: A Cross-Sectional Study on Women from Southern Italy. Dis Markers. 2021 Dec 3;2021:9910878. doi: 10.1155/2021/9910878. PMID: 34900031; PMCID: PMC8664509.

21. Barchitta M, Maugeri A, **Favara G**, Magnano San Lio R, Riela PM, Guarnera L, Battiato S, Agodi A. Development of a Web-App for the Ecological Momentary Assessment of Dietary Habits among College Students: The HEALTHY-UNICT Project. Nutrients. 2022 Jan 13;14(2):330. doi: 10.3390/nu14020330. PMID: 35057511; PMCID: PMC8779738.

22. **Favara G**, Barchitta M, Maugeri A, Faro G, Agodi A. HIV infection does not affect the risk of death of COVID-19 patients: A systematic review and meta-analysis of epidemiological studies. J Glob Health. 2022 Aug 17;12:05036. doi: 10.7189/jogh.12.05036. PMID: 35972980; PMCID: PMC9380965.

23. **Favara G**, Maugeri A, Barchitta M, Ventura A, Basile G, Agodi A. Comparison of RIPASA and ALVARADO scores for risk assessment of acute appendicitis: A systematic review and meta-analysis. PLoS One. 2022 Sep 30;17(9):e0275427. doi: 10.1371/journal.pone.0275427. PMID: 36178953; PMCID: PMC9524677.

24. Barchitta M, Maugeri A, Campisi E, Magnano San Lio R, **Favara G**, Soto Parra HJ, Salvatorelli L, Magro G, Basile G, Agodi A. Comparison of Quantitative Real-Time PCR and Digital PCR to Detect the Polyomavirus in Merkel Cell Carcinoma. Viruses. 2022 Oct 5;14(10):2195. doi: 10.3390/v14102195. PMID: 36298750; PMCID: PMC9610963.

25. Maugeri A, Magnano San Lio R, **Favara G**, La Rosa MC, La Mastra C, Riela PM, Guarnera L, Battiato S, Barchitta M, Agodi A. Impact of Eating Context on Dietary Choices of College Students: Evidence from the HEALTHY-UNICT Project. Nutrients. 2022 Oct 21;14(20):4418. doi: 10.3390/nu14204418. PMID: 36297101; PMCID: PMC9609717.

26. Milluzzo A, Barchitta M, Maugeri A, Magnano San Lio R, **Favara G**, Mazzone MG, Sciacca L, Agodi A. Do Nutrients and Nutraceuticals Play a Role in Diabetic Retinopathy? A Systematic Review. Nutrients. 2022 Oct 21;14(20):4430. doi: 10.3390/nu14204430. PMID: 36297113; PMCID: PMC9612209.

27. Maugeri, A, Barchitta, M, **Favara G**, La Mastra C, La Rosa MC, Magnano San Lio R, Agodi, A. The Application of Clustering on Principal Components for Nutritional Epidemiology: A Workflow to Derive Dietary Patterns. Nutrients 2023, 15, 195. https://doi.org/10.3390/nu15010195

28. Magnano San Lio R, **Favara G**, Maugeri A, Barchitta M, Agodi A. How Antimicrobial Resistance Is Linked to Climate Change: An Overview of Two Intertwined Global Challenges. Int J Environ Res Public Health. 2023 Jan 17;20(3):1681. doi: 10.3390/ijerph20031681. PMID: 36767043; PMCID: PMC9914631.