

Elena Maria Varoni

ORCID ID: 0000-0002-7287-2188

H-Index (Scopus): 30

EDUCATION

- **November 2020-to date: Associate Professor (PA) (with clinical duties), Università degli Studi di Milano (Milano, Italy), Dipartimento di Scienze Biomediche, Chirurgiche ed Odontoiatriche.**
- **November 2017-October 2020: Ricercatore a tempo determinato (RTD di tipo B), Assistant Professor (with clinical duties from January 2018) , Università degli Studi di Milano (Milano, Italy), Dipartimento di Scienze Biomediche, Chirurgiche ed Odontoiatriche.**
- **May 2013-October 2017: Post-doc Researcher, Università degli Studi di Milano (Milano, Italy), Dipartimento di Scienze Biomediche, Chirurgiche ed Odontoiatriche. Project: "Multi-layer scaffold in chitosan for periodontal regeneration: multi-tissue, functional interface"**
 - ✓ **3-23 May 2016: Visiting scholar at McGill University (Montreal, Canada), Department of Mining and Materials Engineering**
- **May 2012 - April 2013: Post-doc Researcher, McGill University (Montreal, Canada), Department of Mining and Materials Engineering. Project: "Tissue engineering for periodontal regeneration"**
- **November 2008-29 March 2012: Philosophy Doctor, PhD (in "Biotechnologies for Human Health"). Università del Piemonte Orientale "A. Avogadro" (Novara, Italy)**
 - ✓ **6 may-7 june 2011: Visiting scholar at Universidad de Granada (Granada, Spain), Laboratorio de Estudios Cristalográficos**
 - ✓ **13 luglio-13 agosto: Visiting scholar at University of Laval (Quebec City, Canada), Laboratory for Biomaterials and Bioengineering**
PhD Dissertation: "Anti-cancer ternary nanoparticles with hydroxyapatite nanocrystals and monoclonal antibodies"
- **2003-4 July 2008: Doctor in Dental Medicine, DMD with highest honours (110/110 cum laude). Università degli Studi di Milano (Milano, Italy). Thesis title: "Topical therapy with clobetasol in oral medicine: transmucosal absorption and systemic effects"**
- **1998-2003: High school diploma in classical studies with full marks (100/100), Liceo Classico "G. e Q. Sella" (Biella, Italy)**

PROFESSIONAL CERTIFICATE

- **2009-to date: Dental doctor** registered at “Albo professionale dei Medici e degli Odontoiatri” (national medical board) (Biella, Italy)

PATENT

- **2014: Co-inventor of the European patent:** “Manufacture of self-standing film useful in e.g. biosensor, involves carrying out electrochemical/electrophoretic deposition of macromolecules on working electrode, and removing self-standing film of variable and controlled thickness” (Owner: MILANO POLITECNICO (MILA-Non-standard) NEXTMATERIALS SRL (NEXT-Non-standard), N°: EP2845612)

AWARDS, HONOURS AND FELLOWSHIPS

Awards

- **2022: Relatrice della tesi di laurea selezionata** per la presentazione dei risultati all’EXPO scientifico-formativo dedicato ai professionisti dell’igiene orale **“EXPO-RDH (registered dental hygienists) 2022”**- titolo tesi: dal titolo **“REAZIONI DI IPERSENSIBILITÀ AI PRESIDI CHIMICI DI IGIENE ORALE”**; studentessa invitata come “invited speaker”: Valeria Salvador RDH (Torino, 17-18 settembre 2022)
- **2020: Relatrice della tesi di laurea vincitrice dello Junior contest CLID al 27° Congresso del collegio dei docenti universitari di discipline odontostomatologiche (CDUO2020)**, titolo tesi: **“Profilo nutrizionale nei pazienti con tumori del distretto testa-collo: studio osservazionale”** studentessa: Letizia Galli (Virtual event, 10-12 settembre 2020)
- **2019: Award “La fucina del futuro” – dell’Ordine dei Medici e degli Odontoiatri di Milano as best under-40 clinician/researcher in Milan** (http://www.quotidianosanita.it/regioni-e-asl/articolo.php?articolo_id=77873) (Milano, 18 ottobre 2019)
- **2019: Certificate of merit as best oral presentation (ranked 2th):** “Valutazione istologica dell’infiltrato linfocitario in lesioni parodontali e cutanee in paziente affetto da pioderma gangrenoso” at Congresso Odontoiatria Italia Network Group (Bologna, 31 May-1 June 2019)
- **2019: “Cross-sectional study on the nutrition and periodontal health of head and neck cancer patients” è stato accettato per la partecipazione allo SPAZIO RICERCA 2019 e all’assegnazione del Premio M. Cagidiaco 2019 SIPD (Rimini Marzo 2019).**
- **2016: World Biomaterials Congress and Italian Society for Biomaterial (SIB) Trainee Award** at World Biomaterials Congress (Montreal - Canada, 17-22 May 2016), the most prestigious conference in biomaterials
- **2015: Travel Grant** to participate at **Hellenic Society of Biomaterials Conference** (Athens - Greece, 26-28 November 2015)
- **2015: Travel Grant** to participate at **Italian School of Biomaterials** (Ischia - Italy, 18-22 July 2015)

- **2015: Awards for the best oral presentation:** ALTOMARE L, BRIVIO E, BELLATTI P, VARONI E, RIMONDINI L, DE NARDO L. Cross-linked chitosan patches for topical oral drug delivery. Conference Proceedings: Italian Society of Biomaterials (SIB) Congress; Ancona, June 3-5, 2015
- **2014: Award for the best poster presentation:** VARONI E, COCHIS A, ALTOMARE L, CERRUTI M, DE NARDO L, LODI G, RIMONDINI L. Multi-tissue periodontal regeneration using a multi-layered approach. Conference Proceedings: Italian Society of Biomaterials (SIB) Congress; Palermo, 2-4 July 2014
- **2014: Certificate of merit as best young researcher** at Dipartimento di Scienze Biomediche, Chirurgiche ed Odontoiatriche (Università degli Studi di Milano, Italy)
- **2013: Awards for the best oral presentation:** VARONI E.M., XU J, COCHIS A, CHIN H, ALTOMARE L, LODI G, DE NARDO L, QUINN T, CARRASSI A, RIMONDINI L, CERRUTI M. Multi-tissue engineering: development of a multi-layered scaffold with functional interfaces. Conference Proceedings: Italian Society of Biomaterials (SIB) Congress; Baveno, 3-5 June 2013
- **2013: “Henry Goldman Prize” of the Società Italiana di Parodontologia (SIdP)** for the best basic research in periodontology (Conference Proceedings: SIdP Congress; Rimini, 14-16 March 2013), one of the most prestigious award in dentistry
- **2012: Certificate of merit as best poster presentation (ranked 3th):** ASTOLFI F, TRAPANI A, SUTERA S, MORICONI D, VARONI E, SARDELLA A (2012). Assorbimento topico del clobetasolo dopo trattamento topico. Conference proceedings: Congresso Università del Nord in collaboration with Collegio dei Docenti “Expo di Autunno”; Milano, 30 November -1 December 2012
- **2011: Invited speaker at Universidad de Granada** “Targeted drug delivery system using hydroxyapatite nanocrystals” (22 May 2011)
- **2011: “Student THERMEC Award” at “THERMEC 2011 International Conference on Processing & Manufacturing of Advanced Materials”** (Quebec City - Canada, 29 July 2011 - 5 August 2011), prestigious international prize in biomaterials, awarded among more than 200 candidates
- **2010: “Young Scientist/Clinician Prize” of the European Association of Oral Medicine (E.A.O.M)** (EAOM Conference; London - UK, 23-25 September 2010), prestigious award in oral medicine

Institutional positions and Honours

- **Giugno 2022 – to date : membro garante per le Scienze mediche nella commissione di garanzia per l’attribuzione degli assegni di ricerca post doc tipo A (22 giugno 2022)**
- **2021- to date: Member of the committee for the Health Degree admission test at University of Milan**
- **2020 – to date: Academic member of PhD Course “Collegio docenti del Dottorato in Ricerca Clinica” University of Milan - CICLO XXXVI, Università degli Studi di**

Milano, PhD in Clinical Research

- **2019 - to date: Member of the Jury for the best poster / oral presentation at European Conferences of Biomaterials (ESB2019, ESB2021, ESB2022)**
- **2022: PhD Thesis reviewer** at Università del Piemonte Orientale "Magnetic nanoparticles as nanocarriers and immune modulators for cancer targeted therapy" (14 maggio 2022 – 7 luglio 2022)
- **2022: Commissione di valutazione per 1 posto da RTD/A Med 28 presso l'Università di Parma**
- **2022: Commissione giudicatrice procedura di valutazione ai sensi dell'art. 24 - comma 5 - Legge 240/2010, ai fini della chiamata quale professore di II fascia della dott.ssa MASPERO Cinzia Maria Norma, ricercatore a tempo determinato di tipo B presso il Dipartimento di Scienze Biomediche, Chirurgiche e Odontoiatriche, settore concorsuale 06/F1 - Malattie Odontostomatologiche, settore scientifico-disciplinare MED/28 - Malattie Odontostomatologiche – Codice procedura 900260.**
- **2021: Project Peer Reviewer of the Science Fund of the Republic of Serbia (SF) Serbia Accelerating Innovation and Growth Entrepreneurship Project (SAIGE) Source of Funding: Loan No. 9029 YF (12 maggio 2021)**
- **2021: Academic member of the committee at the state examination for the dentistry professional qualification at University of Milan** (Commissione esame di stato Corso di Laurea in Odontoiatria e Protesi Dentaria - supplente)
- **2021: Member of the committee for the recognition of foreign dental degree at University of Milan** (Commissione riconoscimento Laurea in Odontoiatria e Protesi Dentaria conseguita all'estero)
- **2020 – 2022: Member of the Scientific Committee “Educational Awards European of the European Society of Biomaterials”**
- **2019 – 2022: Member of the Scientific Committee “National Chapter project grant” of the Young Scientific Forum – European Society of Biomaterials**
- **2020: Commissario valutatore e chairman per la sessione di Patologia e Medicina Orale 3 durante il simposio della Società Italiana di Patologia e Medicina Orale (SIPMO) durante il 27° Congresso del collegio dei docenti universitari di discipline odontostomatologiche (CDUO2020) (Virtual event, 10-12 settembre 2020)**
- **2019 – 2020: Elected representing member of Researchers (settore scientifico-disciplinare MED/28 - Malattie Odontostomatologiche) of the Università degli Studi di Milano al Collegio dei Docenti Universitari di Discipline Odontostomatologiche**
- **2019-to date: Elected member of the Board “Young Scientific Forum – European Society of Biomaterials” as Spokeperson (leader’s board)**
- **2019: Member of the Scientific Committee of the World Biomaterials Congress (WBC 2020), in Glasgow (UK), December 2020 (online event due to COVID-19)**
- **2019: Member of the Scientific Committee of the European Society of Biomaterials Conference (ESB 2019), in Dresden (Germany), September 2019**
- **2018 – to date: Representative member of the inter-university consortium**

“CONSORZIO INTERUNIVERSITARIO NAZIONALE PER LA SCIENZA E TECNOLOGIA DEI MATERIALI (INSTM)” within the department of Biomedical, Surgical and Dental Sciences University of Milan

- **2018: Member of the committee for the Medicine and Dentistry admission test**
- **2018: PhD Thesis reviewer** at Cairo University "Comparative study between the effect of some adipokines and oxidative Stress biomarkers as a diagnostic tool in patients with sepsis"
- **2018: Elected member of the Board “Young Scientific Forum – European Society of Biomaterials”** as National Chapter Liason Officer
- **2017: Elected member of the Scientific Committee “Osteonecrosis of the Jaws Contest – Società Italiana di Medicina e Patologia Orale”**
- **2015-to date: Active member** of the “Società Italiana di Patologia e Medicina Orale”
- **2014-2017: Elected representing member of Post doc researchers** at Dipartimento Scienze Biomediche, Chirurgiche ed Odontoiatriche, Università degli Studi di Milano (Italy)
- **2008: Doctor in Dental Medicine Degree “cum laude”** at Università degli Studi di Milano (Italy)

Fellowships

- **2012: Travel fellowship CARIPLO NutriAI Network Internationalization and Excellence for the Innovation of Food Production and for Knowledge Development in Nutraceutical-Healthy field;** project: “Development of a novel chitosan scaffold for periodontal regeneration functionalized with a nutraceutical agent”, at Università del Piemonte Orientale (Novara, Italy)
- **2012: Fellowship for the research project:** “Caratterizzazione di membrane per la rigenerazione tessutale del legamento parodontale graftate con molecole di origine naturale”, at Università del Piemonte Orientale (Novara, Italy)
- **2011: Fellowship for the research project:** “Caratterizzazione biologica di materiali per la biomineralizzazione”, at Università del Piemonte Orientale (Novara, Italy)
- **2008: Ministerial Fellowships for PhD financial support “Sostegno giovani”** (3 years)

EDITORIAL POSITIONS

- **2022-to date: Associate Editor** Frontiers in Nutrition
- **2022-to date: Guest editor of Biocell, organizing the Special Issue "Antimicrobial Resistance: From Basic Science to Applied Approaches"**
- **2022-to date: Guest Editor of “International Journal of Molecular Sciences (IJMS)”** organizing the Special Issue: “Flavonoids”, Oral Microbiome and Oral Diseases
- **2018-to date: Guest Editor of “Biomedicines”** organizing the Special Issues: “Malignant and Potentially Malignant Disorders of the Oral Cavity: Updates from Pathogenesis to Therapy”; “Malignant and Potentially Malignant Disorders of the

Oral Cavity: Updates from Pathogenesis to Therapy 2.0”; “Mucocutaneous Manifestations of HIV after 40 Years from the First Case”

- **2018-to date: Guest Editor of “Antibiotics” organizing the Special Issues: “Antimicrobial Plant Extracts and Phytochemicals”; “Antimicrobial Agents in Oral Diseases: Prophylaxis and Therapy between New and Old Molecules”**
- **2017-to date: Member of the Editorial Board of Medicine (Section: Oral medicine)**
- **2015-to date: Section Editor of the Journal of Applied Biomaterials and Functional Materials** indexed in Medline / PubMed, Journal Citation Reports, Scopus (Impact Factor: 0.9)
- **2014-to date: Guest Associate Editor of Frontiers in Nutrition; co-organizer of the “Scientific Research Topic” in : “Mediterranean Diet and Health”**
- **2013-to date: Associate Editor of European Journal of Medicinal Plants**

REFeree POSITIONS

- **2022: Invited reviewer Annual Conference of the European Society of Biomaterials (ESB 2022), in Bordeaux (France), September 2022**
- **2021: Invited reviewer Annual Conference of the European Society of Biomaterials (ESB 2021), in Porto (Portugal), September 2021**
- **2020: Invited reviewer World Biomaterials Congress (WBC) - Annual Conference of the European Society of Biomaterials (WBC 2020), in Glasgow (UK), September 2020**
- **2019: Invited reviewer Annual Conference of the European Society of Biomaterials (ESB 2019), in Dresden (Germany), September 2019**
- **2017- to date: Selected Reviewer** in support to “Oral microbiome in Oral Medicine” research group, at “**VII World Workshop in Oral Medicine (WWOM)**” in Gothenburg (Sweden), September 2018
- **2009-to date: Referee** for relevant scientific journal in medicine, biomaterials, biology and nutrition, including: Medicine, Journal of Dental research, British Journal of Dermatology, Archives of Oral Biology, Acta Odontologica Scandinavica. In particular, referee for **Journal of Dental Research (JDR)**, at top of the ranking of impacted dental journals (Referee Scientific merit: <http://jdr.sagepub.com/content/93/12/1332.full.pdf+html>)
- **2014: Invited reviewer** for abstracts’ scientific evaluation at **international conference** “2014 Global Conference on Polymer and Composite Materials (PCM 2014), Ningbo, China, 27-29 May 2014
- **2013: Selected Assistant Reviewer** in support to “Information Technology (IT) in Oral Medicine” research group, at “**VI World Workshop in Oral Medicine (WWOM)**” in Orlando (Florida, US), April 2014.

PROJECT GRANTED

- **2022-to date: Seed4Innovation University of Milan – ammessa alla fase 2 di valutazione**
- **2021- to date: Team member European Union’s Erasmus+ project** programme “Oral Potentially Malignant Disorders: Training of Healthcare Professionals”, grant number 2020-1-UK01-KA202-078917.
- **2021-to date: Principal Investigator**, Screening for diabetes in the dental setting Piano Sostegno alla Ricerca (PSR2020), academic funding, Università degli studi di Milano (18000 euro)
- **2018-2019: Co-Applicant**, Private Grant (Centro Ricerca Riso - Sapise Coop. Agr.), Project: “Biodisponibilità delle Antocianine in Volontari Sani dopo Assunzione di Riso”; 16.000 €
- **2018: Young principal investigator**, project “Micropatterned patches for clobetasol topical drug delivery”: academic funding LINEA 2, Università degli studi di Milano (€ 5416)
- **2017: Co-Applicant**, project "Archivio digitale clinico-patologico in medicina orale" (PI: prof. Andrea Sardella), academic funding LINEA 2, Università degli studi di Milano (€ 6300)
- **2016: Young principal investigator**, project “Valutazione del rischio nutrizionale nei pazienti oncologici testa-collo”: academic funding FONDI PREMIALI, Università degli studi di Milano (€ 6000)
- **2015: Young principal investigator**, project “Effetto dei livelli di igiene orale sulla batteriemia dopo procedure di igiene orale professionale”: academic funding LINEA 2, Università degli studi di Milano (€ 3900)
- **2014 - Brandon Gromada Head and Neck Cancer US Foundations, PI: E. Varoni (UNIMI) Titolo progetto : “Anti-HPV monoclonal antibodies and adjuvant therapy to treat poorly differentiated head and neck carcinoma” – selezionato tra i 20 finalisti, su più di cento applicazioni ricevute da tutto il mondo**
- **2014: Young principal investigator**, progetto “Livelli ematici e salivari di melatonina nei pazienti con Burning Mouth Syndrome”: academic funding PIANO B, Università degli studi di Milano (€ 6000)
- **2012: Young principal investigator, Travel Fellowship CARIPLO**, “NutriAI Network: Internationalization and Excellence for the Innovation of Food Production and for Knowledge Development in Nutraceutical-Healthy field, Grant for the Promotion of Excellence Human Value”. Project title: “Development of a novel chitosan scaffold for periodontal regeneration functionalized with a nutraceutical agent”. At Università del Piemonte Orientale (Novara, Italy) and Biointerface Lab, Department of Mining and Materials Engineering, McGill University (Montreal, Canada)
- **2011: Academic fellowship** for the project: “Caratterizzazione di membrane per la rigenerazione tissutale del legamento parodontale graftate con molecole di origine naturale”, at l’Università del Piemonte Orientale (Novara, Italy) - supervisor: Prof. Lia Rimondini in collaboration with Biointerface Lab, Department of Mining and Materials Engineering, McGill University (Montreal - Canada) (€ 1683)

- **2012: Academic fellowship** for the project: “Caratterizzazione biologica di materiali per la biomineralizzazione”, at Università del Piemonte Orientale (Novara, Italy) - supervisor: Prof. Lia Rimondini (€ 3000)
- **2009-2011: PhD student researcher**, project “Matrici polimeriche nanostrutturate per l’ottimizzazione dell’osteointegrazione, per l’ingegneria tissutale di osso e dente, e per il wound dressing” – ministerial grant “Ricerca Sanitaria finalizzata Regione Piemonte, Principal Investigator: Prof. Lia Rimondini – at Università del Piemonte Orientale (Novara, Italy)
- **2008-2010: PhD student researcher**, project “Individuazione e caratterizzazione di biomarkers serici e salivari per la diagnosi del cancro orale” - ministerial grant “Ricerca Sanitaria finalizzata Regione Piemonte”, Principal Investigator: Prof. Lia Rimondini – at Università del Piemonte Orientale (Novara, Italy)
- **2008-2010: PhD student researcher**, project “Sviluppo di nuove formulazioni inibenti la formazione di biofilms di Candida spp. per il trattamento della Candidosi orale” - ministerial grant “Ricerca Sanitaria finalizzata Regione Piemonte”, Principal Investigator: Prof. Lia Rimondini – at Università del Piemonte Orientale (Novara, Italy)
- **2008: Ministerial Fellowship PhD “Sostegno giovani”** for financial support during PhD School (3 years) (€ 40000)

SPEAKER AT SCIENTIFIC CONFERENCES

International congresses

- **2023: Invited speaker at the International Congress of the Spanish Oral Medicine Society (SEMO) on May 25-27, 2023**
- **2021: Conference of the European Society of Biomaterials (ESB) Virtual in Porto - Poster presenter (CLOBETASOL-LOADED CHITOSAN PATCHES FOR THE TREATMENT OF AUTOIMMUNE DISEASES AFFECTING THE ORAL MUCOSA E. Varoni, L. Altomare, M. Manfredi, A. Cochis, L. Bonetti, L. Rimondini) and speaker alla General Assembly dello Young Scientific Forum (YSF) - European Society of Biomaterials (ESB) in qualità di YSF Spokeperson durante la “31th Annual Conference of the European Society of Biomaterials (ESB)”, 5-9 Settembre 2021**
- **2020: World Biomaterial Congress (WBC) Virtual in Glasgow - Poster presenter (Bilayer chitosan-based patches for clobetasol transmucosal drug delivery in the oral cavity L. Altomare, F. Viganò Rivera, L. Bonetti, M. Manfredi, A. Cochis, Rimondini L., Varoni EM) and speaker alla General Assembly dello Young Scientific Forum (YSF) - European Society of Biomaterials (ESB) in qualità di YSF Spokeperson durante la “31th Annual Conference of the European Society of Biomaterials (ESB)”, 11-15 December 2020**
- **2019: Speaker alla General Assembly dello Young Scientific Forum (YSF) - European Society of Biomaterials (ESB) in qualità di YSF Spokeperson durante la “30th Annual Conference of the European Society of Biomaterials (ESB)”, tenuta a Dresda dal 9-13 Settembre 2019**
- **2018: Selected speaker at Congress of the 14th Congress of European Association of**

Oral Medicine (Gothenburg, Sweden, 27-29 September), presenting findings from the World Workshop in Oral Medicine Group 1 on “Oral microbiome”

- **2018: Speaker alla General Assembly dello Young Scientific Forum (YSF) - European Society of Biomaterials (ESB) in qualità di YSF Spokeperson** durante la “29th Annual Conference of the European Society of Biomaterials (ESB)”, tenuta a Maastricht dal 9 al 13 Settembre 2018
- **2016: Selected speaker** among 3.600 abstracts at 10th **World Biomaterials Congress** (Montreal – Canada, 17-22 May) with the oral presentation: VARONI E, ALTOMARE L, GHALAYANI A, COCHIS A, CIGADA A, RIMONDINI L, DE NARDO L (2016). “Fine-tunable micropattern of porosity to promote scaffold neovascularization”. In: FRONTIERS IN BIOENGINEERING AND BIOTECHNOLOGY; DOI=10.3389/conf.FBIOE.2016.01.01361
- **2015: Selected speaker**, as young researcher of the Società Italiana di Biomateriali, at Hellenic Society of Biomaterials Conference (Athens - Greece, 26-28 November 2015) with the oral presentation: “Chitosan-based trilayer scaffold for regenerative periodontal therapy”
- **2014: Selected speaker** among 149 abstracts at 12th **Congress of the European Association of Oral Medicine (EAOM)**, with the oral presentation: VARONI E, ALTOMARE L, IASI E, LODI G, RIMONDINI L, DE NARDO L (2014). Chitosan strips with controlled micro-porosity to improve buccal mucoadhesion. Antalya (Turkey), 11-14 September 2014. In: ORAL DISEASES;20 (supplement 2):7.
- **2013: Selected speaker** at XVI **International Conference of Società Italiana di Parodontologia (SIDP)** with the oral presentation: VARONI E, XU J, COCHIS A, CHIN H, ALTOMARE L, LODI G, DE NARDO L, CARRASSI A, RIMONDINI L, CERRUTI M (2013). Multi-layered chitosan-based construct and periodontal regeneration: functional layers for multi-tissue interface. Rimini, 14-16 March 2013. In: Atti del Congresso. Winner of the SIDP “H. Goldman” Ed 2013 Prize for basic research, one of the most important award in dentistry (€ 2000).
- **2010: Selected speaker** among 254 abstracts at 10th **Congress of the European Association of Oral Medicine (EAOM)**, with the oral presentation: VARONI E, MOLTENI A, DI CANDIA D, LODI F, SARDELLA A, LODI G, CARRASSI A (2010). Clobetasol transmucosal absorption: a pharmacokinetics study on healthy subjects. London (UK), 23-25 September 2010. In: ORAL DISEASES; 16 (supplement 1):553. “Best young scientist/clinician award”, as best young researcher in oral medicine.
- **2011: Invited speaker** during the period as visiting scholar at **Universidad de Granada (Granada, Spain)** with the oral presentation: “Targeted drug delivery system using hydroxyapatite nanocrystals”, held at the same university in 22 May 2011
- **2011: Selected speaker**, among best young researcher specialist in oral medicine and affiliated to Oral Medicine School of Milan, at XI Congresso Nazionale e I International Congress of the **Società Italiana di Patologia e Medicina Orale (S.I.P.M.O.)**, with the oral presentation: VARONI E, VITALINI S, GARDANA C, SIMONETTI P, LODI G, SARDELLA A, CARRASSI A, IRTI M. “Red wine and polyphenols:

in vivo study on the salivary antioxidant activity". Pugnochiuso - Foggia (Italy), 16-18 June 2011. In: Conference proceedings.

National congresses

- **2020: Invited Speaker** at corso Residenziale Ecm "Il paziente con cancro della bocca. Dalla diagnosi alla riabilitazione" (Milano, 12 febbraio)
- **2019: Invited Speaker** at Conference Unione Nazionale Igienisti Dentali "Sinergia tra professionisti: igiene dentale e medicina orale" (Milano, 25 maggio)
- **2019: Invited Speaker** at Congress of the Collegio dei Docenti Universitari di Discipline Odontostomatologiche - Simposio Società Italiana di Patologia e Medicina Orale (SIPMO) (Napoli, 12-13 Aprile)
- **2016: Invited speaker**, specialist in oral medicine, at **Cenacolo Odontostomatologico Milanese**, on the topic: "Patologia e chirurgia dei tessuti molli" (Milano, 18 June 2016)
- **2014: Selected speaker** at Congresso Nazionale della **Società Italiana di Biomateriali (SIB)** 2014, with oral presentation: VARONI E, COCHIS A, ALTOMARE L, CHIESA R, RIMONDINI L, DE NARDO L (2014). Oriented micro-pores to promote scaffold vascularization. Palermo, 2-4 July 2014. In: Conference Proceedings.
- **2013: Selected speaker** at Congresso Nazionale della **Società Italiana di Biomateriali (SIB)** 2013, with the oral presentation: VARONI EM, XU J, COCHIS A, CHIN H, ALTOMARE L, LODI G, DE NARDO L, QUINN T, CARRASSI A, RIMONDINI L, CERRUTI M (2013). Multi-tissue engineering: development of a multi-layered scaffold with functional interfaces. Baveno, 3-5 June 2013. In: Conference Proceedings. Winner of the prize for the best poster presentation (€ 150).
- **2012-2015: Invited speaker as young researcher**, specialist in oral medicine, at **Associazione Nazionale Dentisti Italiani (ANDI)**:
 - ✓ **Novara - Italy** ("Diagnosi e trattamento in patologia orale: è sempre necessario lo specialista?", April 2012)
 - ✓ **Milano – Italy** ("Laurea in odontoiatria e ricerca: rigenerazione parodontale ed nuove tecnologie", November 2013)
 - ✓ **Como-Lecco – Italy** ("Le patologie del cavo orale", April 2015)
- **2010: Selected speaker** at Congresso Nazionale della **Società Italiana di Biomateriali (SIB)** 2010, with the oral presentation: VARONI E, IAFISCO M, ROVERI N, PRAT MG, RIMONDINI L (2010). Antibodies absorption onto hydroxyapatite nanocrystals surface. Camogli – La Spezia (Italy), 24-26 May 2010. In: Conference Proceedings.

CONFERENCE ORGANIZATION AND CHAIR

- **2021: "Green Sustainability Event" 25 June 2021 Virtual – chief organizer: Young Scientific Forum (YSF) co-organizers: American and Australasian Young scientific groups on biomaterials**
- **2018-to date: Organizer of the Young Scientific Forum (YSF) events (educational workshops on different scientific topics, such as grant and paper writing, science**

communication, intellectual property, green sustainability, industry-academy cooperation) at European Society of Biomaterials (ESB) Annual Conferences – held in Porto (virtually 2021), Glasgow (virtually December 2020), Maastricht (September 2018), and Dresden (September 2019). Activities: organization of educational workshops (topics: patent and intellectual property; research and industry; science paper writing; grant writing); organization of the YSF general Assembly; organization the Night Out social event

- **2019: Chair at the Annual Conference of the European Society of Biomaterials (ESB)** held in Dresden in September 2019. Session: “Cell and Materials Interaction II” & “YSF Grant writing workshop”
- **26-27 ottobre 2017: member of the Scientific Committee “Osteonecrosis of the Jaws Contest – Società Italiana di Medicina e Patologia Orale”**
- **29 July 2011 - 5 August 2011: Member of the “THERMEC student organizing committee”** at “THERMEC International Conference on Processing & Manufacturing of Advanced Materials” (Quebec City, Canada), international prestigious conference with more of 800 oral presentations and 1200 delegates from more than 50 countries. Activities: speaker room assistance, poster room assistance and welcome desk.

SCIENTIFIC COLLABORATION

International collaborations

- **2022-to date: COST Action participant “Aerogels” European Cooperation in Science & Technology - CA18125** (<https://cost-aerogels.eu/>) Working Group 1 - Pharmaceutical and Biomedical Applications of Aerogels
- **2021-to date: Cadi Ayyad University, Marrakech (Prof. Abdelaziz Abbad) – Activity: antibacterial activity of essential oil**
- **2018- to date: membro partecipante al gruppo di lavoro per la stesura del position paper dell'European Association of Oral Medicine (EAOM) sulla gestione del paziente affetto da Burning Mouth Syndrome (BMS)**
- **2012-to date: Biointerface Lab, Department of Mining and Materials Engineering, McGill University, Montreal, Canada.** Post doc researcher (May 2012-April 2013, project: “Tissue engineering for periodontal regeneration”) and visiting scholar (Maggio 2016, project: “XPS characterization of for TiN dental implant surfaces containing Ag and/or Cu”). Collaboration’s delivery: 1) Società Italiana di Parodontologia (SIDP) “H. Goldman” Prize Ed 2013 (€ 2000) for basic research, with the oral presentation: VARONI E, XU J, COCHIS A, CHIN H, ALTOMARE L, LODI G, DE NARDO L, CARRASSI A, RIMONDINI L, CERRUTI M (2013). Multi-layered chitosan-based construct and periodontal regeneration: functional layers for multi-tissue interface. Rimini, 14-16, March 2013. 2) Publication: E.M. Varoni, S. Vijayakumar, E. Canciani, A. Cochis, L. De Nardo, G. Lodi, L. Rimondini, M. Cerruti (2017). Chitosan-Based Trilayer Scaffold for Multitissue Periodontal Regeneration. JOURNAL OF DENTAL RESEARCH. 2017, doi: 10.1177/0022034517736255.

1. **2015- to date: Cochrane Collaboration, member of the group “Oral Health”.** Support to perform review in oral medicine. Collaboration’s delivery: LODI G, FRANCHINI R, WARNAKULASURIYA S, VARONI EM, SARDELLA A, KERR AR, CARRASSI A, MACDONALD LC, WORTHINGTON HV. Interventions for treating oral leukoplakia to prevent oral cancer. *Cochrane Database Syst Rev.* 2016;7:CD001829. doi: 10.1002/14651858.CD001829.pub4 e LODI G, AZZI L, **VARONI** EM, PENTENERO M, DEL FABBRO M, CARRASSI A, SARDELLA A, MANFREDI M. Antibiotics to prevent complications following tooth extractions. *Cochrane Database Syst Rev.* 2021 Feb 24;2(2):CD003811.
- **2015 – to date: Phytochemistry Research Center, Shahid Beheshti University of Medical Sciences, Tehran, Iran; Department of Pharmacognosy, Faculty of Pharmacy, Zabol University of Medical Sciences, Zabol, Iran.** Biomedical basic research on natural compounds. Collaboration’s deliveries: 1) Salehi B, Zucca P, Sharifi-Rad M, Pezzani R, Rajabi S, Setzer WN, Varoni EM, Iriti M, Kobarfard F, Sharifi-Rad J. Phytotherapeutics in cancer invasion and metastasis. *Phytother Res.* 2018. doi: 10.1002/ptr.6087. 2) Sharifi-Rad M, Varoni EM, Iriti M, Martorell M, Setzer WN, Del Mar Contreras M, Salehi B, Soltani-Nejad A, Rajabi S, Tajbakhsh M, Sharifi-Rad J. Carvacrol and human health: A comprehensive review. *Phytother Res.* 2018. doi: 10.1002/ptr.6103. 3) Sharifi-Rad, B. Salehi, E.M. Varoni, F. Sharopov, Z. Yousaf, S.A. Ayatollahi, F. Kobarfard, M. Sharifi-Rad, M.H. Afdjei, M. Sharifi-Rad, M. Iriti (2017). Plants of the Melaleuca Genus as Antimicrobial Agents: From Farm to Pharmacy. *PHYTOTHERAPY RESEARCH*, 31(10):1475-1494. doi: 10.1002/ptr.5880. 4) SHARIFI-RAD J, SOUFI L, AYATOLLAHI SA, IRITI M, SHARIFI-RAD M, VARONI EM, SHAHRI F, ESPOSITO S, KUHESTANI K, SHARIFI-RAD M. Anti-bacterial effect of essential oil from *Xanthium strumarium* against shiga toxin-producing *Escherichia coli*. *Cell Mol Biol (Noisy-le-grand).* 2016; 62(9):69-74. 2) SHARIFI-RAD M, TAYEBOON GS, SHARIFI-RAD J, IRITI M, VARONI EM, RAZAZI S. Inhibitory activity on type 2 diabetes and hypertension key-enzymes, and antioxidant capacity of *Veronica persica* phenolic-rich extracts. *Cell Mol Biol (Noisy-le-grand).* 2016;62(6):80-5J.
- **2016 – to date: Department of Pathology, School of Pharmacy, Medical University of Silesia, Katowice, Poland.** Biomedical basic research on natural compounds. Collaboration’s deliveries: 1) grant participation “Bando Ministero degli Esteri - Mobilità e Rilevanza: Polonia Medicina e Salute”. 2) Publication: M. Iriti, R. Kubina, A. Cochis, R. Sorrentino, E.M. **Varoni**, A. Kabała-Dzik, B. Azzimonti, A. Dziedzic, L. Rimondini, R.D. Wojtyczka (2017). Rutin, a quercetin glycoside, restores chemosensitivity in human breast cancer cells. *PHYTOTHERAPY RESEARCH*, doi: 10.1002/ptr.5878
- **2016 – 2018: World Workshop in Oral Medicine as Reviewer** in the research group “Oral microbiome”, at International Conference “VII World Workshop in Oral Medicine (WWOM)” di Gothenburg (Sweden), 6-8 April 2014. Support to collect data and paper writing. Collaboration’s delivery: Varoni EM, Bavarian R, Robledo-Sierra J, Porat Ben-Amy D, Wade WG, Paster B, Kerr R, Peterson DE, Frandsen Lau E. World Workshop on Oral Medicine VII: Targeting the microbiome for oral medicine

specialists-Part 1. A methodological guide. ORAL DIS. 2019;25 Suppl 1:12-27. doi: 10.1111/odi.13063; Robledo-Sierra J, Ben-Amy DP, Varoni E, Bavarian R, Simonsen JL, Paster BJ, Wade WG, Kerr R, Peterson DE, Frandsen Lau E. World Workshop on Oral Medicine VII: Targeting the oral microbiome Part 2: Current knowledge on malignant and potentially malignant oral disorders. ORAL DIS. 2019;25 Suppl 1:28-48. doi: 10.1111/odi.13107; Frandsen Lau E, Peterson DE, Leite FRM, Nascimento GG, Robledo-Sierra J, Porat Ben Amy D, Kerr R, Lopez R, Baelum V, Lodi G, Varoni EM. Embracing multi-causation of periodontitis: Why aren't we there yet? Oral Dis. 2021 Dec 19. doi: 10.1111/odi.14107.

- **2014 – 2015: World Workshop in Oral Medicine as Assistant Reviewer** in the research group “Information Technology (IT) in Oral Medicine”, at International Conference “VI World Workshop in Oral Medicine (WWOM)” di Orlando (Florida, US), 6-8 April 2014. Support to collect data and paper writing. Collaboration’s delivery: BRAILO V, FIRRILO FJ, TANAKA TI, VARONI E, SYKES R, MCCULLOUGH M, HUA H, SKLAVOUNOU A, JENSEN SB, LOCKHART PB, MATTSSON U, JONTELL M. World Workshop on Oral Medicine VI: Utilization of Oral Medicine-specific software for support of clinical care, research, and education: current status and strategy for broader implementation. Oral Surg Oral Med Oral Pathol Oral Radiol. 2015; 120(2):172-84. doi: 10.1016/j.oooo.2015.02.484.
- **2014-2015: Multicentre international study on “Bisphosphonate related osteonecrosis of the jaws a case-control genetic study”.** Principal Investigator: Prof. Stefano Fedele (University College of London, UK); Local Principal investigator. Prof. Giovanni Lodi (Università degli Studi di Milano). Contribution to data collection. Listed among collaborators of the publication: Fung P, Bedogni G, Bedogni A, Petrie A, Porter S, Campisi G, Bagan J, Fusco V, Saia G, Acham S, Musto P, Petrucci MT, Diz P, Colella G, Mignogna MD, Pentenero M, Arduino P, Lodi G, Maiorana C, Manfredi M, Hallberg P, Wadelius M, Takaoka K, Leung YY, Bonacina R, Schiødt M, Lakatos P, Taylor T, Riu G, Favini G, Rogers SN, Pirmohamed M, Nicoletti P; GENVABO Consortium., Fedele S. Time to onset of bisphosphonate-related osteonecrosis of the jaws: a multicentre retrospective cohort study. Oral Dis. 2016 Dec 31. doi: 10.1111/odi.12632.
- **2011: Laboratory for Biomaterials and Bioengineering at University of Laval (Quebec City, Canada), 13 July- 13 August.** Visiting scholar (activity: basic research on biomaterial in dentistry; skill development: use of Atomic Force Microscope). Collaboration’s delivery: VARONI E, CANCIANI E, PALAZZO B, VARASANO V, CHEVALLIER P, PETRIZZI L, DELLAVIA C, MANTOVANI D, RIMONDINI L. Effect of Poly-L-Lysine coating on titanium osseointegration: from characterization to in vivo studies. J Oral Implantol. 2015;41(6):626-31. doi: 10.1563/AAID-JOI-D-13-00036.
- **2011: Laboratorio de Estudios Cristalográficos dell’Universidad de Granada (Granada, Spain), 6 May-7 June.** Visiting scholar (activity: basic research to perform part of the PhD project: “Anti-cancer ternary nanoparticles with hydroxyapatite nanocrystals and monoclonal antibodies”). Collaboration’s delivery: Iafisco M*, Delgado-Lopez JM*, Varoni EM*, Tampieri A, Rimondini L, Gomez-Morales J, Prat M.

Cell surface receptor targeted biomimetic apatite nanocrystals for cancer therapy. Small. 2013;9(22):3834-44. doi: 10.1002/smll.201202843. (*co-first authors)

- **2009-2011: International collaboration supported by ministerial grant “Integrated action Italy – Japan”:** “Preparation and properties of drug loaded nanoslurry of hydroxyapatite for biomedical application”, 2009-2011. Activity: basic research on biomaterials, pertinent to the PhD project (“Anti-cancer ternary nanoparticles with hydroxyapatite nanocrystals and monoclonal antibodies”) – Principal Investigator: Prof. Lia Rimondini
- **2008-2010: International collaboration supported by ministerial grant “Integrated action Italy – Spain”:** “Multifunctional drug-loaded antibody-targeted inorganic nanoparticles for biomedical use”, 2008-2010. Activity: basic research on biomaterials, pertinent to the PhD project (“Anti-cancer ternary nanoparticles with hydroxyapatite nanocrystals and monoclonal antibodies”) – Principal Investigator: Prof. Lia Rimondini

National

- **2021-to date: Politecnico of Milan** (Prof. Pietro Cerveri, Prof. Cellesi). Activity: research on biosensors
- **2021-to date: Membro del gruppo di lavoro Società Italiana di Parodontologia e Società Italiana di Ortopedia e Traumatologia (SIdP-SIOT)** sul progetto “Healthy bone healthy gums” relativo all’osteonecrosi dei mascellari farmaco-correlata
- **2018-to date: Politecnico of Milan** (Prof. Marco Marcon Dipartimento di Elettronica, Informazione e Bioingegneria). Activity: image-based artificial intelligence
- **2017-to date: Clinical Microbiology and Virology Laboratory School of Medicine and Surgery, University of Milano-Bicocca** (Prof. Clementina Cocuzza). Activity: research on bacteraemia after dental procedure.
- **2013-to date: Materials for Innovation Lab, Politecnico di Milano** (Prof. Luigi De Nardo). Activity: basic research on biomaterials and tissue engineering. Collaboration’s delivery: European Patent - “Processing for manufacturing self-standing films made of natural or synthetic macromolecules characterized by controlled porosity micropattern”, number: EP2845612
- **2008-to date: Interdepartmental Collaborations** – Dipartimento di Scienze Agrarie e Ambientali (Prof. Marcello Iriti), Dipartimento di Fisica (Prof. Nicola Ludwig and Dr. Marco Gargano), Dipartimento di Scienze della Salute (Prof.ssa Rita Paroni)
- **2013-to date: Dental Materials Lab, Università del Piemonte Orientale** (Prof. Lia Rimondini). Activity: basic research on biomaterials and tissue engineering, during PhD in Biotechnologies for Human Health and following collaborations

TEACHING

- **2021-to date: Professor** at “Terapia odontostomatologica integrata” Course (Degree in Dentistry), **Università degli Studi di Milano**

- **2020-to date: Professor** at “Malattie Odontostomatologiche” Course (Degree in Logopedia), **Università degli Studi di Milano**
- **2018-to date: Professor** at Oral Surgery Specialty, **Università degli Studi di Milano**
- **2018-to date: Professor** at “Diagnosi Orale” Course (Degree in Dentistry), **Università degli Studi di Milano**
- **2018-to date: Professor of clinical training at** Degree in Dentistry and Degree in Dental Hygiene
- **2015-to date: Lecturer at Associazione Nazionale Dentisti Italiani (ANDI)** Sez. Milano e Como-Lecco, Course for Dental Assistant, in “Oral Medicine”
- **2013-to date: Professor’s assistant** at “Evidence Based Dentistry” Course (Degree in Dentistry, Prof. Lodi), **Università degli Studi di Milano**
- **2012-to date: Thesis co-supervisor in Oral Medicine** at Degree in Dentistry and Degree in Oral Hygiene, **Università degli Studi di Milano**
- **2009-to date: Professor’s assistant** at “Oral Medicine” Course (Degree in Dentistry, Prof. Antonio Carrassi), **Università degli Studi di Milano Milano (Italy)**
- **2009-2017: Professor’s assistant** at “Odontoiatria Restaurativa e Protesica” Course (Degree in Oral Hygiene, Prof. Lia Rimondini), **Università del Piemonte Orientale (Novara, Italia)**

PUBLIC ENGAGEMENT AND VOLUNTARY EXPERIENCES

- **2021: Interviews for La Repubblica Salute** on oral health (“Gingival Melanoma” and “COVID-19 and chewing gum to reduce contagion”)
- **2009-to date: Voluntary clinician and clinical tutor in Oral Medicine** at Clinica Odontoiatrica Universitaria, ASST Santi Paolo e Carlo –Presidio Ospedaliero San Paolo di Milano (Italy)
- **25 December 2008 - 8 January 2009: Voluntary service at Allipalli and Vijayavada (India)**, contributing to the program for dental assistance to orphan children and inhabitants of rural community. Coordinator: **Solidarietà Medico-Odontoiatrica nel Mondo, S.M.O.M**
- **7 August - 3 September 2004: Voluntary service at Archer’s Post Health Center (Kenya)**, for epidemiological study on Tropical Diseases and HIV/AIDS in Sub-Saharan Africa (Northern Kenya).

SCIENTIFIC SOCIETY

- European Association of Oral Medicine (**EAOM**) – 2008 – to date
- European Association of Biomaterials (**ESB**) – 2016 – to date
- Società Italiana di Patologia e Medicina Orale (**SIPMO**) – 2008- to date (**socio attivo – active member**)
- Società Italiana di Biomateriali (**SIB**) – 2008-2017

- Società Italiana di Nutrizione Umana (**SINU**) – 2012-2014
- Società Italiana di Parodontologia (**SIdP**) – 2013-2014

WORKING EXPERIENCES

- **2016-to date: Member of the team “Diagnosi Odontostomatologica e Trattamento” (DOT)** (Prof. Giovanni Lodi) – oral medicine specialist
- **2016-2020: Tepe Prodotti per l’Igiene Orale S.r.l.** – scientific divulgation and scientific article translation (Odont News)
- **2009-2019: Private dental Doctor** at Clinica Odontoiatrica Ospedale San Paolo di Milano (intra-moenia)
- **2009-2019: Author of several papers of scientific divulgation** for the Italian Dental Journal (IDJ), Griffin Editore S.r.l. (Italia)
- **2021: Member of the Advisory Board Sunovion Pharmaceuticals**
- **2012: Consultant** for Jonhson and Jonhson (Italia). Activity: scientific review
- **2008: Scientific text translator** at Ars XXI Comunicazione Editore S.r.l. – from english to italian language: chapter “Corticosteroids”, volume “MARTINDALE, The Complete Drug Reference, 35th edition”; chapter “Nutritional Agents and Vitamins”, volume “MARTINDALE, The Complete Drug Reference, 35th edition” “MARTINDALE, The Complete Drug Reference, 35th edition”

COURSE (BASIC AND CLINICAL RESEARCH)

- **15 October 2013: Round Table “Patologie Bollose”,** diagnosis of mucocutaneous bullous diseases. Project: Directa DasitGroup “Formazione per il laboratorio”, Cornaredo (Mi), Italy
- **28-29 November 2013 VI Meeting “Laser Day”,** Milano, Italy
- **1-2 March 2012: “Citometria a flusso” Course at BD training center (Buccinasco – Milano).** FACSCalibur: flow cytometry data acquisition and analysis.
- **22-26 May 2011: International School on Biological Crystallization (Laboratorio de Estudios Cristalográficos Consejo Superior de Investigaciones Cientificas / Universidad de Granada, Spain).** Protein crystallization and structural analysis.
- **30 March-3 April 2009: Course “Fondamenti di preparativa ed osservazione in immunoistochimica ed immunofluorescenza” (Università degli Studi di Milano, Dipartimento di Morfologia Umana).** Immunohistochemistry and immunofluorescence.
- **4 March 2009: Course “Giornata di Microscopia Confocale” (Università degli Studi di Milano, Dipartimento di Morfologia Umana).** Confocal and videoconfocal microscopy: image acquisition and analysis.

Publications (indexed on PubMed, Scopus, Web of Science)

Scientific papers

1. Adamo, D; Calabria, E; Canfora, F; Coppola, N; Lo Muzio, L; Spirito, F; Giuliani, M; Azzi, L; Maurino, V; Colella, G; Colella, C; Montebugnoli, L; Gissi, DB; Gabriele, M; Nisi, M; Sardella, A; Lodi, G; **Varoni, EM**; ...D'Aniello, L., Mignogna, M.D. Where do you live? North versus Central-South differences in relation to Italian patients with oral lichen planus: a cross-sectional study from the SIPMO (Italian Society of Oral Pathology and Medicine). BMC Oral Health, 2022, 22(1), 184
2. Lombardi, N., Franchini, R., Pispero, A., Moneghini, L., **Varoni**, E.M. Macroglossia associated with multiple nodular lesions of the tongue. Oral diseases, 2022, 28(8), 2061–2062
3. Scaletta, J., Franchini, R., Macrì, L., **Varoni E.**, Moneghini, L., Lombardi, N. Gingival mass in patient with lung cancer | Neoformazione gengivale in paziente con carcinoma polmonare. Dental Cadmos, 2022, 90(8), 581–582
4. Rescalli, A., **Varoni**, E.M., Cellesi, F., Cerveri, P. Analytical Challenges in Diabetes Management: Towards Glycated Albumin Point-of-Care Detection. Biosensors, 2022, 12(9), 687
5. Lombardi, N., **Varoni**, E.M., Sorrentino, D., Nicali, A., Lodi, G. Growing gingival mass in a patient affected by hyperparathyroidism. Journal of the American Dental Association, 2022, 153(6), 582–587
6. Lombardi, N., **Varoni**, E., Villa, G., Salis, A., Lodi, G. Reply to the letter to the editor by Somay et al: “In regard to recent published study of Lombardi et al. titled ‘Pentoxifylline and tocopherol for prevention of osteoradionecrosis in patients who underwent oral surgery: A clinical audit’. Special Care in Dentistry, 2022 DOI 10.1111/scd.12777
7. Lombardi, N., **Varoni**, E., Villa, G., Salis, A., Lodi, G. Pentoxifylline and tocopherol for prevention of osteoradionecrosis in patients who underwent oral surgery: A clinical audit. Special Care in Dentistry, 2022 DOI 10.1111/scd.12759
8. Pentenero, M., Azzi, L., Lodi, G., Manfredi, M., **Varoni**, E.M. Chronic mechanical irritation and oral cancer: Less evidence to support its role than the one ruling it out. Oral Diseases, 2022 DOI 10.1111/odi.14224
9. **Varoni** EM, Cinquanta L, Rigoni M, Di Valentin G, Lodi G, Muti P, Sardella A, Carrassi A. The impact of COVID-19 on the dental hygienists: A cross-sectional study in the Lombardy first-wave outbreak. PLoS One. 2022 Feb 2;17(2):e0262747.
10. **Varoni** EM, Sardella A, Lodi G, Iriti M, Carrassi A. COVID-19 and Dental Education: the Experience of the Dental School from the University of Milan. Med Sci Educ. 2022 Mar 17;32(2):539-544.
11. Dziedzic A, **Varoni** EM. Challenges of oral medicine specialists at the time of COVID-19 pandemic. Oral Dis. 2022 Apr;28 Suppl 1:904-907.
12. Lombardi N, Moneghini L, **Varoni** EM, Lodi G. Nodular migratory tongue lesions: Atypical geographic tongue or a new entity? Oral Dis. 2022 Feb 17. doi: 10.1111/odi.14158. Epub ahead of print. PMID: 35176202.

13. **Varoni** EM, Decani S. Gingival Melanoma. *N Engl J Med*. 2021 Nov 18;385(21):e73.
14. Pispero A, Marcon M, Ghezzi C, Massironi D, **Varoni** EM, Tubaro S, Lodi G. Posture Assessment in Dentistry for Different Visual Aids Using 2D Markers. *Sensors (Basel)*. 2021 Nov 19;21(22):7717.
15. Frandsen Lau E, Peterson DE, Leite FRM, Nascimento GG, Robledo-Sierra J, Porat Ben Amy D, Kerr R, Lopez R, Baelum V, Lodi G, **Varoni** EM. Embracing multi-causation of periodontitis: Why aren't we there yet? *Oral Dis*. 2021 Dec 19. doi: 10.1111/odi.14107.
16. **Varoni** EM, Rimondini L. Oral Microbiome, Oral Health and Systemic Health: A Multidirectional Link. *Biomedicines*. 2022 Jan 17;10(1):186.
17. D'amore, F., Franchini, R., Lombardi, N., Pispero, A., **Varoni**, E.M. Oral microbiome in orthodontic patients [Il microbioma orale nel paziente ortodontico]. *Dental Cadmos* 2021, 89: 744-752.
18. Adamo D, Calabria E, Coppola N, Lo Muzio L, Giuliani M, Azzi L, Maurino V, Colella G, Rauso R, Montebugnoli L, Gissi DB, Gabriele M, Nisi M, Sardella A, Lodi G, **Varoni** EM, Giudice A, Antonelli A, Cabras M, Gambino A, Vescovi P, Majorana A, Bardellini E, Campisi G, Panzarella V, Spadari F, Marino S, Pentenero M, Sutera S, Biasotto M, Gobbo M, Guarda Nardini L, Romeo U, Tenore G, Serpico R, Lucchese A, Lajolo C, Rupe C, Aria M, Gnasso A, Mignogna MD; SIPMO (Italian Society of Oral Pathology, Medicine). Assessment of sleep disturbance in oral lichen planus and validation of PSQI: A case-control multicenter study from the SIPMO (Italian Society of Oral Pathology and Medicine). *J Oral Pathol Med*. 2021 Oct 26. doi: 10.1111/jop.13255.
19. Pentenero M, Azzi L, Lodi G, Manfredi M, **Varoni** E. Chronic mechanical trauma/irritation and oral carcinoma: A systematic review showing low evidence to support an association. *Oral Dis*. 2021 Oct 12. doi: 10.1111/odi.14049.
20. Lombardi N, **Varoni** EM, Rabbiosi D, Cucurullo M, Moneghini L, Lodi G. Primary oral leiomyosarcoma of the maxillary bone and sinus: case report and up-to-date review of literature. *Braz J Otorhinolaryngol*. 2021 Oct 17:S1808-8694(21)00163-4. doi: 10.1016/j.bjorl.2021.07.013. Epub ahead of print. PMID: 34756559.
21. Sharifi-Rad, J., Quispe, C., Alfred, M.A., Anil Kumar, N.V., Lombardi, N., Cinquanta, L., Iriti, M., **Varoni**, E.M., Gupta, G., Chellappan, D.K., Dua, K., Cardoso, S.M., Peron, G., Dey, A., Cruz-Martins, N., Rodrigues, C.F. Current trends on resveratrol bioactivities to treat periodontitis. *Food Bioscience* 2021 42: 101205.
22. Soulaïmani B, **Varoni** E, Iriti M, Mezrioui NE, Hassani L, Abbad A. Synergistic Anticandidal Effects of Six Essential Oils in Combination with Fluconazole or Amphotericin B against Four Clinically Isolated Candida Strains. *Antibiotics (Basel)*. 2021 Aug 27;10(9):1049.
23. Sharifi-Rad J, Quispe C, Vergara CV, Kitic D, Kostic M, Armstrong L, Shinwari ZK, Khalil AT, Brdar-Jokanović M, Ljevnaić-Mašić B, **Varoni** EM, Iriti M, Leyva-Gómez G, Herrera-Bravo J, Salazar LA, Cho WC. Genus *Viburnum*: Therapeutic Potentialities and Agro-Food-Pharma Applications. *Oxid Med Cell Longev*. 2021 Jul 16;2021:3095514.
24. Decani S, Lodi G, Sardella A, **Varoni** EM. Localised juvenile spongiotic gingival

- hyperplasia: A case of spontaneous resolution and a literature review. *Eur J Paediatr Dent*. 2021 Jun;22(2):159-162. doi: 10.23804/ejpd.2021.22.02.14. PMID: 34238009.
25. Codella R, Della Guardia L, Terruzzi I, Solini A, Folli F, **Varoni** EM, Carrassi A, Luzi L. Physical activity as a proxy to ameliorate inflammation in patients with type 2 diabetes and periodontal disease at high cardiovascular risk. *Nutr Metab Cardiovasc Dis*. 2021 Jul 22;31(8):2199-2209.
 26. Lombardi N, **Varoni** EM, Sorrentino D, Nicali A, Lodi G. Growing gingival mass in a patient affected by hyperparathyroidism. *J Am Dent Assoc*. 2021 Jun 2:S0002-8177(21)00171-9.
 27. Sharifi-Rad J, Dey A, Koirala N, Shaheen S, El Omari N, Salehi B, Goloshvili T, Cirone Silva NC, Bouyahya A, Vitalini S, **Varoni** EM, Martorell M, Abdolshahi A, Docea AO, Iriti M, Calina D, Les F, López V, Caruntu C. Cinnamomum Species: Bridging Phytochemistry Knowledge, Pharmacological Properties and Toxicological Safety for Health Benefits. *Front Pharmacol*. 2021 May 11;12:600139.
 28. **Varoni** EM, Lodi G, Del Fabbro M, Sardella A, Carrassi A, Iriti M, Tripputi P. Sex-Related Differences in Allelic Frequency of the Human Beta T Cell Receptor SNP rs1800907: A Retrospective Analysis from Milan Metropolitan Area. *Vaccines (Basel)*. 2021 Apr 1;9(4):333.
 29. **Varoni** EM, Lombardi N, Villa G, Pispero A, Sardella A, Lodi G. Conservative Management of Medication-Related Osteonecrosis of the Jaws (MRONJ): A Retrospective Cohort Study. *Antibiotics (Basel)*. 2021 Feb 17;10(2):195.
 30. Cinquanta L, **Varoni** EM, Barbieri C, Sardella A. Patient attitude and habits regarding removable denture home hygiene and correlation with prosthesis cleanliness: A cross-sectional study of elderly Italians. *J Prosthet Dent*. 2021 May;125(5):772.e1-772.e7.
 31. Lodi G, Azzi L, **Varoni** EM, Pentenero M, Del Fabbro M, Carrassi A, Sardella A, Manfredi M. Antibiotics to prevent complications following tooth extractions. *Cochrane Database Syst Rev*. 2021 Feb 24;2(2):CD003811.
 32. Adamo D, Calabria E, Coppola N, Lo Muzio L, Giuliani M, Bizzoca ME, Azzi L, Croveri F, Colella G, Boschetti CE, Montebugnoli L, Gissi D, Gabriele M, Nisi M, Sardella A, Lodi G, **Varoni** EM, Giudice A, Antonelli A, Cabras M, Gambino A, Vescovi P, Majorana A, Bardellini E, Campisi G, Panzarella V, Spadari F, Marino S, Pentenero M, Ardore M, Biasotto M, Gobbo M, Guarda Nardini L, Romeo U, Tenore G, Serpico R, Lajolo C, Gioco G, Aria M, Mignogna MD. Psychological profile and unexpected pain in oral lichen planus: a case-control multicenter SIPMO study. *Oral Dis*. 2021 Jan 29. doi: 10.1111/odi.13787. Epub ahead of print. PMID: 33512068.
 33. Lombardi N, **Varoni** EM, Bazzacchi R, Moneghini L, Lodi G. Secondary undifferentiated pleomorphic sarcoma of the mandible in a HIV patient who underwent radiotherapy for oral carcinoma. *Spec Care Dentist*. 2021 Feb 5. doi: 10.1111/scd.12574. Epub ahead of print. PMID: 33543781.
 34. Bezerra, J.W.A., Rodrigues, F.C., da Cruz, R.P., da Silva, L.E., do Amaral, W., Rebelo, R.A., Begnini, I.M., Bezerra, C.F., Iriti, M., **Varoni, E.M.**, Coutinho, H.D.M., Morais-

- Braga, M.F.B. Antibiotic potential and chemical composition of the essential oil of *Piper caldense* C. DC. (Piperaceae) (2020) *Applied Sciences* (Switzerland), 10 (2), art. no. 631.
35. Salehi, B., Azzini, E., Zucca, P., **Varoni, E.M.**, Kumar, N.V.A., Dini, L., Panzarini, E., Rajkovic, J., Fokou, P.V.T., Peluso, I., Mishra, A.P., Nigam, M., Rayess, Y.E., Beyrouthy, M.E., Setzer, W.N., Polito, L., Iriti, M., Sureda, A., Quetglas-Llabrés, M.M., Martorell, M., Martins, N., Sharifi-Rad, M., Estevinho, L.M., Sharifi-Rad, J. Plant-derived bioactives and oxidative stress-related disorders: A key trend towards healthy aging and longevity promotion (2020) *Applied Sciences* (Switzerland), 10 (3), art. no. 947.
 36. Pradal, G., Sorrentino, D., Lombardi, N., Franchini, R., Moneghini, L., **Varoni, E.** Desquamative gingivitis in patient affected by IgG4 disease [Gengivite desquamativa in paziente con malattia da IgG4] (2020) *Dental Cadmos*, 88 (3), pp. 176-180.
 37. Sorrentino, D., Cinquanta, L., Pischetola, S., Lombardi, N., Sardella, A., Barbieri, C., **Varoni, E.M.** Hygiene protocols for the maintenance of removable prosthesis, overdenture and toronto prosthesis on implants [Protocolli di igiene per il mantenimento di protesi rimovibili, overdenture e toronto su impianti] (2020) *Dental Cadmos*, 88 (2), pp. 87-97.
 38. Villani, G., Lodi, G., Sardella, A., Cucuzza, C.E., Musumeci, R., Martinelli, M., **Varoni, E.M.** Factors affecting incidence of bacteremia due to dental extractions [Fattori che influenzano l'incidenza della batteriemia dopo estrazioni dentarie] (2020) *Dental Cadmos*, 88 (2), pp. 76-86.
 39. D'Amore F, Franchini R, Moneghini L, Lombardi N, Lodi G, Sardella A, **Varoni EM.** Actinomycosis of the Tongue: A Case Report and Review of Literature. *Antibiotics* (Basel). 2020 Mar 16;9(3). pii: E124. doi: 10.3390/antibiotics9030124. PubMed PMID: 32187989.
 40. Lombardi N, **Varoni E**, Sardella A, Lodi G. Oral Kaposi's sarcoma in a HIV-negative young patient. *Oral Oncol.* 2020 Jan 17:104567. doi: 10.1016/j.oraloncology.2020.104567.
 41. Pereira da Cruz R, Sampaio de Freitas T, Socorro Costa MD, Lucas Dos Santos AT, Ferreira Campina F, Pereira RLS, Bezerra JWA, Quintans-Júnior LJ, De Souza Araújo AA, Júnior JPS, Iriti M, **Varoni EM**, Menezes IRA, Melo Coutinho HD, Morais-Braga MFB. Effect of α -Bisabolol and Its β -Cyclodextrin Complex as TetK and NorA Efflux Pump Inhibitors in *Staphylococcus aureus* Strains. *Antibiotics* (Basel). 2020 Jan 14;9(1). pii: E28. doi: 10.3390/antibiotics9010028.
 42. Pispero A, Bancora I, Khalil A, Scarnò D, **Varoni EM.** Use of Platelet Rich Fibrin (PRF)-Based Autologous Membranes for Tooth Extraction in Patients under Bisphosphonate Therapy: A Case Report. *Biomedicines*. 2019 Nov 10;7(4). pii: E89. doi: 10.3390/biomedicines7040089.
 43. Scotti, F., Decani, S., **Varoni, E.M.**, Sardella, A., Lodi, G. Hemostatic effect of an essential oils-based bioadhesive gel in oral biopsies [Effetto emostatico di un gel bioadesivo a base di oli essenziali nelle biopsie orali] (2019) *Dental Cadmos*, 87 (9), pp. 544-555.

44. Lombardi N, Flora A, Franchini R, Sorrentino D, Lodi G, **Varoni EM**. Gingival localisation of extramedullary multiple myeloma. *Lancet Oncol*. 2019 Nov;20(11):e653. doi: 10.1016/S1470-2045(19)30650-3.
45. **Varoni** EM, Bavarian R, Robledo-Sierra J, Porat Ben-Amy D, Wade WG, Paster B, Kerr R, Peterson DE, Frandsen Lau E. World Workshop on Oral Medicine VII: Targeting the microbiome for oral medicine specialists-Part 1. A methodological guide. *ORAL DIS*. 2019;25 Suppl 1:12-27. doi: 10.1111/odi.13063.
46. Robledo-Sierra J, Ben-Amy DP, **Varoni** E, Bavarian R, Simonsen JL, Paster BJ, Wade WG, Kerr R, Peterson DE, Frandsen Lau E. World Workshop on Oral Medicine VII: Targeting the oral microbiome Part 2: Current knowledge on malignant and potentially malignant oral disorders. *ORAL DIS*. 2019;25 Suppl 1:28-48. doi: 10.1111/odi.13107.
47. Carmagnola D, Pellegrini G, Dellavia C, Rimondini L, **Varoni** E. Tissue engineering in periodontology: Biological mediators for periodontal regeneration. *INT J ARTIF ORGANS*. 2019;42(5):241-257. doi: 10.1177/0391398819828558.
48. Ghalayani Esfahani A, Altomare L, **Varoni** EM, Bertoldi S, Farè S, De Nardo L. Electrophoretic bottom up design of chitosan patches for topical drug delivery. *J MATER SCI MATER MED*. 2019;30(4):40. doi: 10.1007/s10856-019-6242-x.
49. Salehi B, **Varoni** EM, Sharifi-Rad M, Rajabi S, Zucca P, Iriti M, Sharifi-Rad J. Epithelial-mesenchymal transition as a target for botanicals in cancer metastasis. *PHYTOMEDICINE*. 2019;55:125-136. doi: 10.1016/j.phymed.2018.07.001. Epub 2018 Nov 6.
50. Iriti M, **Varoni** EM. Evidence-Based Phytoiatry, a New Approach in Crop Protection. *INT J MOL SCI*. 2019 Jan 5;20(1). pii: E171. doi:10.3390/ijms20010171.
51. Mohammed H, **Varoni** EM, Cochis A, Cordaro M, Gallenzi P, Patini R, Staderini E, Lajolo C, Rimondini L, Rocchetti V. Oral Dysbiosis in Pancreatic Cancer and Liver Cirrhosis: A Review of the Literature. *BIOMEDICINES*. 2018 Dec 11;6(4). pii: E115. doi: 10.3390/biomedicines6040115.
52. Lo Faro AF, Giorgetti R, Busardò FP, Lodi G, Martini V, Pispero A, Iriti M, **Varoni** EM. Development and validation of a method using ultra performance liquid chromatography coupled to tandem mass spectrometry for determination of zoledronic acid concentration in human bone. *J Pharm Biomed Anal*. 2018 20;162:286-290. doi: 10.1016/j.jpba.2018.09.042
53. **Varoni** EM, Paroni R, Antognetti J, Lodi G, Sardella A, Carrassi A, Iriti M. Effect of Red Wine Intake on Serum and Salivary Melatonin Levels: A Randomized, Placebo-Controlled Clinical Trial. *Molecules*. 2018 Sep 27;23(10). pii: E2474. doi: 10.3390/molecules23102474.
54. Salehi B, Albayrak S, Antolak H, Kręgiel D, Pawlikowska E, Sharifi-Rad M, Uprety Y, Tsouh Fokou PV, Yousef Z, Amiruddin Zakaria Z, **Varoni** EM, Sharopov F, Martins N, Iriti M, Sharifi-Rad J. Aloe Genus Plants: From Farm to Food Applications and Phytopharmacotherapy. *Int J Mol Sci*. 2018 Sep 19;19(9). pii: E2843. doi: 10.3390/ijms19092843.

55. Ghezzi C, Donghi C, Ferrantino L, **Varoni** E, Lodi G. Ultrasonic Surgical Aspirator to Treat Deep Infrabony Defects: A New Flapless Minimally Invasive Approach. *Adv Med*. 2018 Jul 29;2018:3612359. doi: 10.1155/2018/3612359. eCollection 2018.
56. Sharifi-Rad M, Roberts TH, Matthews KR, Bezerra CF, Morais-Braga MFB, Coutinho HDM, Sharopov F, Salehi B, Yousaf Z, Sharifi-Rad M, Del Mar Contreras M, **Varoni** EM, Verma DR, Iriti M, Sharifi-Rad J. Ethnobotany of the genus *Taraxacum*-Phytochemicals and antimicrobial activity. *Phytother Res*. 2018 Jul 24. doi: 10.1002/ptr.6157.
57. Scotti F, Decani S, Sardella A, Iriti M, **Varoni** EM, Lodi G. Anti-inflammatory and wound healing effects of an essential oils-based bioadhesive gel after oral ucosa biopsies: preliminary results. *Cell Mol Biol (Noisy-le-grand)*. 2018;64(8):78-83.
58. Carmagnola D, Pispero A, Canciani E, Dellavia C, Barbieri C, Lodi G, **Varoni** EM. Dental treatment of a rare case of pyoderma gangrenosum with aggressive periodontal disease. *JOURNAL OF THE AMERICAN DENTAL ASSOCIATION*. 2018. pii: S0002-8177(18)30278-2. doi: 10.1016/j.adaj.2018.04.025.
59. Marcazzan S, **Varoni** EM, Blanco E, Lodi G, Ferrari M. Nanomedicine, an emerging therapeutic strategy for oral cancer therapy. *ORAL ONCOLOGY*. 2018;76:1-7. doi: 10.1016/j.oraloncology.2017.11.014.
60. Salehi B, Zucca P, Sharifi-Rad M, Pezzani R, Rajabi S, Setzer WN, **Varoni** EM, Iriti M, Kobarfard F, Sharifi-Rad J. Phytotherapeutics in cancer invasion and metastasis. *PHYTOTHERAPY RESEARCH*. 2018. doi: 10.1002/ptr.6087.
61. **Varoni** EM, Lo Faro AF, Lodi G, Carrassi A, Iriti M, Sardella A. Melatonin Treatment in Patients with Burning Mouth Syndrome: A Triple-Blind, Placebo-Controlled, Crossover Randomized Clinical Trial. *JOURNAL OF ORAL FACIAL PAIN AND HEADACHE*. 2018;32(2):178-188. doi: 10.11607/ofph.1913.
62. Sharifi-Rad M, **Varoni** EM, Iriti M, Martorell M, Setzer WN, Del Mar Contreras M, Salehi B, Soltani-Nejad A, Rajabi S, Tajbakhsh M, Sharifi-Rad J. Carvacrol and human health: A comprehensive review. *PHYTOTHERAPY RESEARCH*. 2018. doi: 10.1002/ptr.6103.
63. D. Carmagnola, M. Tarce, C. Dellavia, L. Rimondini, E.M. **Varoni**. Engineered scaffolds and cell-based therapy for periodontal regeneration. *JOURNAL OF APPLIED BIOMATERIALS AND FUNCTIONAL MATERIALS*. 2017;15(4):e303-e312. doi: 10.5301/jabfm.5000389.
64. E.M. **Varoni**, S. Vijayakumar, E. Canciani, A. Cochis, L. De Nardo, G. Lodi, L. Rimondini, M. Cerruti (2017). Chitosan-Based Trilayer Scaffold for Multitissue Periodontal Regeneration. *JOURNAL OF DENTAL RESEARCH*. 2017, doi: 10.1177/0022034517736255.
65. J. Sharifi-Rad, B. Salehi, E.M. **Varoni**, F. Sharopov, Z. Yousaf, S.A. Ayatollahi, F. Kobarfard, M. Sharifi-Rad, M.H. Afdjei, M. Sharifi-Rad, M. Iriti (2017). Plants of the *Melaleuca* Genus as Antimicrobial Agents: From Farm to Pharmacy. *PHYTOTHERAPY RESEARCH*, 31(10):1475-1494. doi: 10.1002/ptr.5880.
66. M. Iriti, R. Kubina, A. Cochis, R. Sorrentino, E.M. **Varoni**, A. Kabała-Dzik, B.

- Azzimonti, A. Dziedzic, L. Rimondini, R.D. Wojtyczka (2017). Rutin, a quercetin glycoside, restores chemosensitivity in human breast cancer cells. *PHYTOTHERAPY RESEARCH*, doi: 10.1002/ptr.5878
67. M. **Varoni**, M. Gargano, N. Ludwig, G. Lodi, A. Sardella, A. Carrassi (2017). Efficacy of an anti-discoloration system (ADS) in a 0.12% chlorhexidine mouthwash: a triple blind, randomized clinical trial. *AMERICAN JOURNAL OF DENTISTRY*, 30:235-242
68. E.M. **Varoni**, T. Zuccheri, A. Carletta, B. Palazzo, A. Cochis, M. Colonna, L. Rimondini (2017). In vitro efficacy of a novel potassium oxalate hydrogel for dentin hypersensitivity. *EUROPEAN JOURNAL OF ORAL SCIENCES*, vol. 125, 2, p. 151-159, ISSN: 0909-8836, doi:10.1111/eos.12334
69. M. Iriti, E.M. **Varoni**. Moving to the Field: Plant Innate Immunity in Crop Protection (2017). *INT J MOL SCI*, vol. 18 (3), pii: E640, ISSN: 1661-6596, doi: 10.3390/ijms18030640
70. M. Iriti, E.M. **Varoni**. Pulses, Healthy, and Sustainable Food Sources for Feeding the Planet. *INT J MOL SCI*. 18 (2), pii: E255, ISSN: 1661-6596. doi:10.3390/ijms18020255
71. E.M. **Varoni**, G. Moltrasio, M. Gargano, N. Ludwig, G. Lodi, R. Scaringi (2017). Color Analysis of Periimplant Soft Tissues Focusing on Implant System: A Case Series. *IMPLANT DENTISTRY*, vol. 26 (2), p. 217-224, doi: 10.1097/ID.0000000000000513
72. A. Pispero, E.M. **Varoni**, S. Decani, D. Costa (2017). A large radiopaque lesion in the posterior mandible [Un'ampia lesione radiopaca della mandibola posteriore]. *DENTAL CADMOS*, vol. 85 (1), p. 7-8, ISSN: 0011-8524, doi 10.19256/d.cadmos.01.2017.04
73. J. Sharifi-Rad, L. Soufi, S.A. Ayatollahi, M. Iriti, M. Sharifi-Rad, E.M. **Varoni**, F. Shahri, S. Esposito, K. Kuhestani, M. Sharifi-Rad (2016). Anti-bacterial effect of essential oil from *Xanthium strumarium* against shiga toxin-producing *Escherichia coli*. *CELL MOL BIOL (Noisy-le-grand)*, vol. 62 (9), p. 69-74, - ISSN:0145-5680, doi:10.14715/cmb/2016.62.9.11
74. E.M. **Varoni**, M. Iriti (2016). Odontonutraceuticals: Pleiotropic phytotherapeutic agents for oral health. *PHARMACEUTICALS*, vol. 9 (1), p. 10, ISSN: 1424-8247, doi: 10.3390/ph9010010
75. E.M. **Varoni**, C. Soru, R. Pluchino, C. Intra, M. Iriti (2016). The impact of melatonin in research. *MOLECULES*, vol. 21 (2), p. 240, ISSN: 1420-3049, doi: 10.3390/molecules21020240
76. M. Iriti, E. **Varoni** (2016). The good health of Bacchus: melatonin in grapes, the unveiled myth. *LEBENSMITTEL-WISSENSCHAFT + TECHNOLOGIE*, vol. 65, p. 758-761, ISSN: 0023-6438, doi: 10.1016/j.lwt.2015.09.010
77. E.M. **Varoni**, V. Federighi, S. Decani, A. Carrassi, G. Lodi, A. Sardella (2016). The effect of clinical setting on the unstimulated salivary flow rate. *ARCHIVES OF ORAL BIOLOGY*, vol. 69, p. 7-12, ISSN: 0003-9969, doi: 10.1016/j.archoralbio.2016.05.001
78. E. **Varoni**, S. Decani (2016). Geographic Tongue. *NEW ENGLAND JOURNAL OF MEDICINE*, vol. 374, p. 670, ISSN: 0028-4793, doi: 10.1056/NEJMicm1502932
79. M. Gargano, N. Ludwig, V. Federighi, R. Sykes, G. Lodi, A. Sardella, A. Carrassi,

- E.M. **Varoni** (2016). Fiber optics reflectance spectroscopy (45°x: 45°) for color analysis of dental composite. AMERICAN JOURNAL OF DENTISTRY, vol. 29 (4), p. 223-228, ISSN: 0894-8275
80. G. Lodi, R. Franchini, S. Warnakulasuriya, E.M. **Varoni**, A. Sardella, A.R. Kerr, A. Carrassi, L.C.I. Macdonald, H.V. Worthington (2016). Interventions for treating oral leukoplakia to prevent oral cancer. COCHRANE DATABASE OF SYSTEMATIC REVIEWS, vol. 2016 (7), CD001829, ISSN: 1469-493X, doi: 10.1002/14651858.CD001829.pub4
81. E.M. **Varoni**, L. Altomare, A. Cochis, A. Ghalayanesfahani, A. Cigada, L. Rimondini, L. De Nardo (2016). Hierarchic micro-patterned porous scaffolds via electrochemical replica-deposition enhance neo-vascularization. BIOMEDICAL MATERIALS, vol. 11 (2), p. 1-13, ISSN: 1748-6041, doi: 10.1088/1748-6041/11/2/025018
82. A.A. Dhavan, A.C. Ionescu, R.D. Kaduskar, E. Brambilla, S. Dallavalle, E.M. **Varoni**, M. Iriti (2016). Antibacterial and antifungal activities of 2,3- pyrrolidinedione derivatives against oral pathogens. BIOORGANIC & MEDICINAL CHEMISTRY LETTERS, vol. 26 (5), p. 1376-1380, ISSN: 0960-894X, doi: 10.1016/j.bmcl.2016.01.082
83. M. Sharifi-Rad, G.S. Tayeboon, J. Sharifi-Rad, M. Iriti, E.M. **Varoni**, S. Razazi (2016). Inhibitory activity on type 2 diabetes and hypertension key-enzymes, and antioxidant capacity of Veronica persica phenolic-rich extracts. CELLULAR AND MOLECULAR BIOLOGY, vol. 62 (6), p. 80-85, ISSN: 1165- 158X, doi: 10.14715/cmb/2016.62.6.15
84. F. Demarosi, E. **Varoni**, L. Rimondini, A. Carrassi, G.C. Leghissa (2016). Immediate Implant Placement After Removal of Maxillary Impacted Canine Teeth : A Technical Note. INTERNATIONAL JOURNAL OF ORAL & MAXILLOFACIAL IMPLANTS, vol. 31 (1), p. 191-194, ISSN: 0882-2786, doi:10.11607/jomi.2588
85. S. Decani, E.M. **Varoni**, E. Baruzzi, L. Moneghini, G. Lodi, A. Sardella (2016). Pseudoxanthoma elasticum of the palate : a case report and a brief review of the literature. ORAL SURGERY, ORAL MEDICINE, ORAL PATHOLOGY AND ORAL RADIOLOGY, vol. 121 (1), p. e6-e9, ISSN: 2212-4403, doi: 10.1016/j.oooo.2015.09.010
86. E.M. **Varoni**, A.F. Lo Faro, J. Sharifi-Rad, M. Iriti (2016). Anticancer Molecular Mechanisms of Resveratrol. FRONTIERS IN NUTRITION, vol. 3, doi: 10.3389/fnut.2016.00008. PubMed PMID: 27148534; PubMed Central PMCID: PMC4828556.
87. M. Iriti, E.M. **Varoni** (2016). Commentary: Are the proposed benefits of melatonin-rich foods too hard to swallow? FRONTIERS IN NUTRITION, vol. 3. doi: 10.3389/fnut.2016.00002. PubMed PMID: 26835454; PubMed Central PMCID: PMC4724995
88. E. **Varoni**, E. Canciani, B. Palazzo, V. Varasano, P. Chevallier, L. Petrizzi, C. Dellavia, D. Mantovani, L. Rimondini (2015). Effect of Poly-L-Lysine coating on titanium osseointegration: from characterization to in vivo studies. JOURNAL OF ORAL IMPLANTOLOGY, vol. 41 (6), p. 626-631, ISSN: 0160- 6972, doi: 10.1563/AAID-JOI-D-13-00036
89. V. Brailo, F.J. Firriolo, T.I. Tanaka, E. **Varoni**, R. Sykes, M. McCullough, H. Hua, A.

- Sklavounou, S.B. Jensen, P.B. Lockhart, U. Mattsson, M. Jontell (2015). World Workshop on Oral Medicine VI: Utilization of Oral Medicine specific software for support of clinical care, research, and education: Current status and strategy for broader implementation. ORAL SURGERY, ORAL MEDICINE, ORAL PATHOLOGY AND ORAL RADIOLOGY, vol. 120 (2), p. 172- 184, ISSN: 2212-4403, doi: 10.1016/j.oooo.2015.02.484
90. E.M. **Varoni**, V. Martini, A. Albonico, O. Dai, M. Iriti (2015). Odontoiatria e disturbi del sonno. DENTAL CADMOS, vol. 83, p. 599-611, ISSN: 0011-8524, doi: 10.1016/S0011-8524(15)30092-1
91. M. Iriti, E. **Varoni** (2015). Is There any Relationship Between the Type of Alcoholic Beverage and Oral Cancer? : Focus on Red Wine in a European Perspective. POLISH JOURNAL OF FOOD AND NUTRITION SCIENCES, vol. 65 (1), p. 5-7, ISSN: 1230-0322
92. E.M. **Varoni**, G. Lodi, M. Iriti (2015). Ethanol versus phytochemicals in wine: oral cancer risk in a light drinking perspective. INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, vol. 16 (8), p. 17029-17047, ISSN: 1661-6596, doi: 10.3390/ijms160817029
93. B. Azzimonti, A. Cochis, M. El Beyrouthy, M. Iriti, F. Uberti, R. Sorrentino, M.M. Landini, L. Rimondini, E.M. **Varoni** (2015). Essential oil from berries of Lebanese Juniperus excelsa M. Bieb displays similar antibacterial activity to chlorhexidine but higher cytocompatibility with human oral primary cells. MOLECULES, vol. 20 (5), p. 9344-9357, ISSN: 1420-3049, doi: 10.3390/molecules20059344
94. E.M. **Varoni**, G. Lodi, A. Sardella (2015). The nocebo effect might affect treatment expectations in patients with burning mouth syndrome. PAIN, vol. 156 (2), p. 356, ISSN: 0304-3959, doi: 10.1097/01.j.pain.0000460317.65734.e4
95. M. Iriti, E.M. **Varoni** (2015). Melatonin in Mediterranean diet, a new perspective. JOURNAL OF THE SCIENCE OF FOOD AND AGRICULTURE, vol. 95 (12), p. 2355-2359, ISSN: 1097-0010, doi: 10.1002/jsfa.7051 23 2015
96. E.M. **Varoni**, G. Lodi, M. Iriti (2015). Efficacy behind activity: phytotherapeutics are not different from pharmaceuticals. PHARMACEUTICAL BIOLOGY, vol. 53 (3), p. 404-406, ISSN: 1388-0209, doi: 10.3109/13880209.2014.923000
97. M. Iriti, E.M. **Varoni** (2015). Chitosan-induced antiviral activity and innate immunity in plants. ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH INTERNATIONAL, vol. 22 (4), p. 2935-2944, ISSN: 0944-1344, doi: 10.1007/s11356-014-3571-7
98. L. Altomare, E. Guglielmo, E.M. **Varoni**, S. Bertoldi, A. Cochis, L. Rimondini, L. De Nardo (2014). Design of 2D chitosan scaffolds via electrochemical structuring. BIOMATTER, vol. 4 (1), p. 1-10, ISSN: 2159-2527, doi: 10.4161/biom.29506
99. Catalano E., Cochis A., **Varoni** E., Rimondini L., Carrassi A., Azzimonti B. (2014). Adipose-derived adult stem cells: available technologies for potential clinical regenerative applications in dentistry. CRITICAL REVIEWS IN BIOMEDICAL ENGINEERING, vol. 41 (6), p. 483-493, ISSN: 0278-940X, doi: 10.1615/CritRevBiomedEng.2014010683
100. E. **Varoni**, S. Decani, R. Franchini, E. Baruzzi, G. Lodi (2014). Macchie bianche o leucoplachia? Quando preoccuparsi?. DENTAL CADMOS, vol. 82 (9), p. 624-639, ISSN:

0011-8524, doi: 10.1016/S0011-8524(14)70229-6

101. M. Iriti, E.M. **Varoni** (2014). Cardioprotective effects of moderate red wine consumption: Polyphenols vs. ethanol. JOURNAL OF APPLIED BIOMEDICINE, vol. 12 (4), p. 193-202, ISSN: 1214-021X, doi: 10.1016/j.jab.2014.09.003
102. E.M. **Varoni**, M. Iriti (2014). Odontoiatria e nutraceutica: applicazioni cliniche. DENTAL CADMOS, vol. 82 (2), p. 239-258, ISSN: 0011-8524, doi: 10.1016/S0011-8524(14)70161-8 32 2014
103. E. **Varoni**, A. Luca, A. Cena (2014). Effetti indesiderati locali da clorexidina: un focus sulle pigmentazioni dentali. DENTAL CADMOS, vol. 82 (7), p. 521-524, ISSN: 0011-8524, doi: 10.1016/S0011-8524(14)70207-7
104. E.M. **Varoni**, S. Vitalini, D. Contino, G. Lodi, P. Simonetti, C. Gardana, A. Sardella, A. Carrassi, M. Iriti (2013). Effects of red wine intake on human salivary antiradical capacity and total polyphenol content. FOOD AND CHEMICAL TOXICOLOGY, vol. 58, p. 289-294, ISSN: 0278-6915, doi: 10.1016/j.fct.2013.04.047
105. M. Iriti, E.M. **Varoni** (2013). Chemopreventive potential of flavonoids in oral squamous cell carcinoma in human studies. NUTRIENTS, vol. 5 (7), p. 2564-2576, ISSN: 2072-6643, doi: 10.3390/nu5072564
106. M. Iafisco*, J.M. Delgado-Lopez*, E.M. **Varoni***, A. Tampieri, L. Rimondini, J. Gomez-Morales, M. Prat (2013). Cell surface receptor targeted biomimetic apatite nanocrystals for cancer therapy. SMALL, vol. 9 (22), p. 3834-3844, ISSN: 1613-6810, doi: 10.1002/sml.201202843. * *The first three Authors equally contributed to the work*
107. E. Catalano, A. Cochis, E. **Varoni**, L. Rimondini, B. Azzimonti (2013). Tissue engineered skin substitutes: an overview. JOURNAL OF ARTIFICIAL ORGANS, vol. 16 (4), p. 397-403, ISSN: 1434-7229, doi: 10.1007/s10047-013-0734-0
108. Sardella, G. Lodi, M. Tarozzi, E. **Varoni**, R. Franchini, A. Carrassi (2013). Acupuncture and Burning Mouth Syndrome: A Pilot Study. PAIN PRACTICE, vol. 13 (8), p. 627-632, ISSN: 1530-7085, doi: 10.1111/papr.12031
109. E.M. **Varoni**, A. Molteni, A. Sardella, A. Carrassi, D. Di Candia, F. Gigli, F. Lodi, G. Lodi (2012). Pharmacokinetics study about topical clobetasol on oral mucosa. JOURNAL OF ORAL PATHOLOGY & MEDICINE, vol. 41 (3), p. 255- 260, ISSN: 0904-2512, doi: 10.1111/j.1600-0714.2011.01087.x
110. E. **Varoni**, M. Tschon, B. Palazzo, P. Nitti, L. Martini, L. Rimondini (2012). Agarose gel as biomaterial or scaffold for implantation surgery: characterization, histological and histomorphometric study on soft tissue response. CONNECTIVE TISSUE RESEARCH, vol. 53 (6), p. 548-554, ISSN: 0300-8207, doi: 10.3109/03008207.2012.712583
111. E.M. **Varoni**, M. Iafisco, L. Rimondini, M. Prat (2012). Development of a targeted drug delivery system: monoclonal antibodies adsorption onto bonelike hydroxyapatite nanocrystal surface. ADVANCED MATERIALS RESEARCH, vol. 409, p. 175-180, ISSN: 1022-6680, doi: 10.4028/www.scientific.net/AMR.409.175
112. M. Iafisco, E. **Varoni**, M. Di Foggia, S. Pietronave, M. Fini, N. Roveri, L. Rimondini, M. Prat (2012). Conjugation of hydroxyapatite nanocrystals with human immunoglobulin G for nanomedical applications. COLLOIDS AND SURFACES. B, BIOINTERFACES, vol. 90 (1),

p. 1-7, ISSN: 0927-7765, doi: 10.1016/j.colsurfb.2011.09.033

113. E. **Varoni**, M. Tarce, G. Lodi, A. Carrassi (2012). Chlorhexidine (CHX) in dentistry: state of the art. MINERVA STOMATOLOGICA, vol. 61 (9), p. 399-419, ISSN: 0026-4970

114. E.M. **Varoni**, M. Iriti, L. Rimondini (2012). Plant Products for Innovative Biomaterials in Dentistry. COATINGS, vol. 2 (3), p. 179-194, ISSN:2079-6412, doi: 10.3390/coatings2030179

115. E.M. **Varoni**, G. Lodi, A. Sardella, A. Carrassi, M. Iriti (2012). Plant polyphenols and oral health: old phytochemicals for new fields. CURRENT MEDICINAL CHEMISTRY, vol. 19 (11), p. 1706-1720, ISSN: 0929-8673, doi: 10.2174/092986712799945012

116. E. Battistella, E. **Varoni**, A. Cochis, B. Palazzo, L. Rimondini (2011). Degradable polymers may improve dental practice. JOURNAL OF APPLIED BIOMATERIALS & BIOMECHANICS, vol. 9 (3), p. 223-231, ISSN: 1722-6899, doi: 10.5301/JABB.2011.8867

117. G. Lodi, E. **Varoni**, A. Salis, R. Franchini (2011). Lichen planus orale e lesioni lichenoidi. Una guida per l'odontoiatra. DENTAL CADMOS, vol. 79 (10), p. 675- 693, ISSN: 0011-8524, doi: 10.1016/j.cadmos.2011.07.004

118. M. Iafisco, E. **Varoni**, E. Battistella, S. Pietronave, M. Prat, N. Roveri, L. Rimondini (2010). The cooperative effect of size and crystallinity degree on the resorption of biomimetic hydroxyapatite for soft tissue augmentation. INTERNATIONAL JOURNAL OF ARTIFICIAL ORGANS, vol. 33 (11), p. 765-774, ISSN: 1724-6040

119. M. Iriti, E.M. **Varoni**, S. Vitalini (2010). Melatonin in traditional Mediterranean diets. JOURNAL OF PINEAL RESEARCH, vol. 49 (2), p. 101-105, ISSN: 0742- 3098, doi: 10.1111/j.1600-079X.2010.00777.x

Book chapters

1. M.Iriti, E. **Varoni** (2020). The Mediterranean Diet - An evidence based approach (2nd edition). Elsevier. ISBN: 9780128186497 (to be published: 20th July 2020).
2. M. Iriti, E. **Varoni** (2020). Sistema gastrointestinale - Disturbi del cavo orale. In: G. Mazzanti, M. Dell'Agli, A.A. Izzo, Farmacognosia e Fitoterapia, Piccin Editore. ISBN: 978-88-299-3058-6
3. G. Lodi, E. **Varoni**, J. Robledo-Sierra, M. Jontell, A. Villa. Oral Ulcerative Lesions. In: C. Farah, R. Balasubramaniam, M. McCullough, Contemporary Oral Medicine, Springer International Publishing. DOI 10.1007/978-3-319-28100-1_12-1
4. M. Iriti, E. **Varoni** (2016). Grape bioactives for human health. In: R. Watson; V.R. Preedy, Fruits, vegetables, and herbs : bioactive foods in health promotion. p. 221-238, Elsevier, ISBN: 9780128029725, doi: 10.1016/B978-0-12-802972-5.00011-1
5. M.Iriti, E. M. **Varoni** (2016). Melatonin in Grapes and Wine: A Bioactive Phytochemical. In: G.A. Ravishankar; A. Ramakrishna, Serotonin and Melatonin : Their Functional Role in Plants, Food, Phytomedicine, and Human Health. p. 305-310, Taylor & Francis Group, ISBN: 9781498739054 - 9781498739061, doi: 10.1201/9781315369334-20
6. M.Iriti, E. M. **Varoni** (2016). Chitosan-Elicited Plant Innate Immunity: Focus on Antiviral Activity. In: H. Yin; Y. Du, Research progress in oligosaccharins. p. 65-81, Springer, ISBN: 9781493935161 - 9781493935185, doi: 10.1007/978-1-4939-3518-5_6

7. L. Rimondini, A. Cochis, E. **Varoni**, B. Azzimonti, A. Carrassi (2016). Biofilm formation on implants and prosthetic dental materials. In: Handbook of Bioceramics and Biocomposites. p. 991-1027, Springer International Publishing, ISBN: 9783319124605, doi: 10.1007/978-3-319-12460-5_4815 2015
8. M. Iriti, E.M. **Varoni** (2015). Melatonin: A New Perspective on the Mediterranean Diet. In: (a cura di): V. Preedy; R.R. Watson, The Mediterranean Diet : An Evidence-Based Approach. p. 199-204, Academic Press : Elsevier, ISBN: 9780124078499, doi: 10.1016/B978-0-12-407849-9.00019-1
9. M. Iriti, E.M. **Varoni** (2015). Moderate Red Wine Consumption in Cardiovascular Disease : Ethanol Versus Polyphenols. In: (a cura di): V. Preedy; R.R. Watson, The Mediterranean Diet : An Evidence-Based Approach. p. 143-151, Academic Press : Elsevier, ISBN: 9780124078499, doi: 10.1016/B978-0-12-407849-9.00014-2

Milan, December 23th, 2022

Elena M. Varoni