

Professor Dr. János Vág
D.M.D., Ph.D, Habil, DSc

Curriculum Vitae



Present Employment

Semmelweis University, Faculty of Dentistry,
Department of Restorative Dentistry and Endodontics
Szentkirályi Street 47, H-1088 Budapest, Hungary,
Tel: +36 1 317-1598

Publication metrics

lectures at scientific conferences: 220
Total peer-reviewed publications: 85
publication with being the first/last author: 61
impact factor: 171
Total citations: 975
without self-citations: 752
Hirsch index: 19

Search for "Vag J" at <http://www.ncbi.nlm.nih.gov/entrez/query.fcgi>,

Diploma, specialty: dentist, Semmelweis University, Faculty of Dentistry (1995),
certified specialist in Dental and Oral diseases (1997), in Conservative Dentistry and
Prosthodontics (2006), in Endodontics (2019), in Prosthodontics (2024)

Language: English and Hungarian

Doctoral Degree (Ph.D.): Semmelweis University, Clinical Science School, Research in
Dental Science program, Thesis: The role of nitric oxide and angiotensin II in regulating
submandibular gland blood flow (2003). Semmelweis University **Habilitated Doctor**
(2019) Thesis: Human gingival blood flow during dental procedures and oral surgery.
Hungarian Academy of Sciences: **Doctor of Science** (2025) Thesis: The prerequisites for
precise dental restorations: from the microcirculation of the gingiva to digital
CAD/CAM..

Academic positions: Semmelweis University of Medicine, Department of Conservative
Dentistry, trainee (1995-1997), Ph.D. student (1997-2000), assistant lecturer (2000-
2003), assistant professor (2003-2005), Semmelweis University of Medicine, Department
of Oral Biology, Postdoctoral fellowship (2005-2007), Semmelweis University of
Medicine, Department of Conservative Dentistry, assistant professor (2006-2007),
Semmelweis University of Medicine, Department of Oral Biology, assistant professor,

(2007), Semmelweis University of Medicine, Department of Conservative Dentistry, external lecturer (2008-2009), assistant professor (2013-2015), associate professor (2015-2019), Department Vice Chair (2016-2021), habilitated associate professor (2019-2021), Department Head and full professor (13.12.2021-)

International Scholarship: Welcome Trust postdoctoral research fellow at Dublin Dental School and Hospital, Trinity College 2003-2005, Ireland. - Training Course Using the Perimed Product Line for Diagnosis of the Microcirculation, Stockholm, 2-day course. Perimed Inc. Stockholm, Sweden 2015. - Planmeca Digital Perfection Tour. Planmeca, Helsinki, Finland. 2017.06.05.-06. - CAD/CAM End User Training Planmeca, Helsinki, Finland. 2017.12.07-09. - Aesthetic restorations with CAD/CAM course. Nordic Institute of Dental Education, Helsinki, Finland. 2018.06.13.-16. - Prosthetics in CAD/CAM procedures. Danube Private University/Planmeca Digital Academy Krems, Austria. 2018.09.14-15. - Microscopic preparation for veneers and overlays, and adhesive cementation step-by-step. International Center for Dental Education, Ivoclar Vivadent. Bécs, Austria. 2019.05.20. - Digital dentistry course. MOD Institute, South Carolina, USA 2022. - Ceramic indirect restoration. Anterior layering technique for direct restoration. Ivoclar Academy Schaan, Liechtenstein 2023.07.27-28. - Bite mark analysis: understanding the concepts of 3D pattern fit and addressing the realities of distortion and cognitive bias. IOFOS workshop, Dubrovnik, Croatia 2023. - A Forensic Potpourri course. American Society of Forensic Odontology, Denver, USA, 2024. - CAD/CAM indirect and direct composite. VOCO, Cuxhaven, Germany 2024 - Overview of composite from GC with a special focus on G-aenial A'CHORD, color determination, layering technique, and finishing & polishing. GC, Leuven, Belgium 2024.

Teaching activities: Gradual: giving lectures and practices for dental students, examinations, thesis consultant in Hungarian and English, Postgraduate: giving lectures to post-graduate students and dentists (continuing dental education), Tutor and mentor, Mentor in Kerpel-Fronius Ödön talent support program

Book Chapter: Restorative dentistry and endodontics (edited by Árpád Fazekas) 2006. Chapter XV. The anatomy, histology, and physiology of the pulp and the periapical tissue.

Supervisor in Ph.D.: topics (1): Regeneration of oral tissues (pulp, periodontium, oral mucosa, salivary gland). Investigation on molecular, cellular, and clinical levels. (2) Description, relevance, and analysis of the individual characteristics in the oral cavity with modern intra-oral scanners, supervised student: 10 (100%), 6 (50% shared) successfully defended thesis: 7, supervisor of 3 excellence student in Doctoral Scholarship for Doctoral Students in Higher Education (ÚNKP)

Review activity: a member of the reviewer board at Dental and Medical Problems, the editorial board at Journal of Dentistry, Digital Dentistry Section, the editorial board at Fogorvosi Szemle

Activities in Students' Scientific Association: Research Student in the Department of Physiology at Semmelweis University (1992-1995), awards: Rectoral praise, two first prizes at the Semmelweis University Conference, second prize in National Conference, Excellent Research Student prize. Supervisor: 25 presentations, six local and three national first prizes, five local and two national second prizes, two local third prizes, one rectoral prize, one international third prize, one special prize, Rectoral thesis: two first prizes, three rectoral prize

Prizes/Awards: 1994. Fodor Erzsébet Excellent Dental Research Student, by: Semmelweis University, - 1995. Balogh Károly Award by: Semmelweis University: rectorate competition, - 1995. First Price at the Union of Student Researchers Annual Meeting by Semmelweis University, 1994. - First Price at the Union of Student Researchers Annual Meeting by Semmelweis University, 2017. - Merit Award for an excellent research activity at the Dental Faculty, 2019. - Excellence in teaching at Semmelweis University, 2019. - Semmelweis University Innovation Price, Identification of twins by a novel digital dentistry method, 2019. - 1st place at DDS Global Conference Scientific Poster Presentation, 2019. - Semmelweis University, Award for outstanding teaching of the scientific student, 2019 - Research Award, American Society of Forensic Odontology 2019. - Botond Simon, János Vág. Application of intraoral scanner to identify monozygotic twins. 3000 USD, 2020 - Research Award, American Society of Forensic Odontology 2020. - Botond Simon, János Vág. The role of the geometry and the palatal rugae in human identification 3000 USD

Memberships: 1996 – 2005: Hungarian Nephrological Society, 1996 - Hungarian Physiology Society, 2004 - Hungarian Society of Endodontics, board member, 2013 – Hungarian Dental Association, 2017 – Association of Clinical Biostatistics, 2017 – Hungarian Association for Aesthetic and Restorative Dentistry, Founder and first President, 2019 - Digital Dentistry Society, member and member of Scientific Committee, 2019 - American Society of Forensic Odontology, member, 2021 - Hungarian Digital Dentistry Association, founder member and board member

Patent submitted to the Hungarian Intellectual Property Office: A new gingiva-forming healing system based on physiological research and measurements and a gingiva-forming procedure. (03/10/2019, P1900347), Method for using a digital 3-dimensional pattern of the surface pattern of the palate recorded with an intraoral scanner for biometric human identification. (18/05/2020, P2000161), Pre-screening procedure using the geometrical parameters of the palate for human identification, dental identification, and human identification based on the pattern of the palate (17/10/2021, P2100397)

Grants: participant: 14, Principal investigator: 32

Current research funding (principal investigator): Proof of Concept of the digital palatal morphology in human identification, 29. Hungarian Scientific Research Fund (OTKA_K22, 142142), 2022-2026. 36M HUF.

Budapest, 2025. April 23.

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