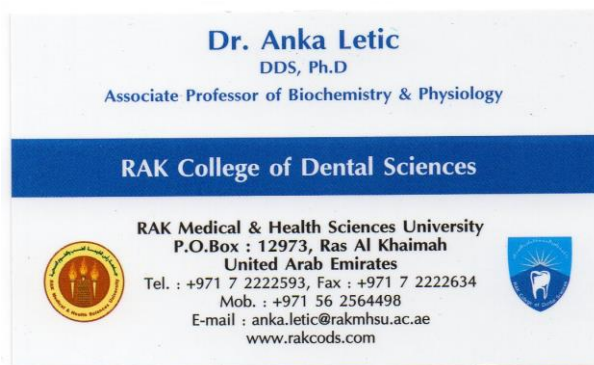


**RAK Medical & Health Sciences University
RAK College of Dental Sciences (RAKCODS), UAE**



Name: **Letic Anka**
Place of birth: Novi Sad, Serbia
Present working address: email: anka.letic@gmail.com



Previous working Address: **Int. Clinic for Biodental Engineering, Roma, Italy**
e-mail: anka.letic@gmail.com

Visiting Prof. at UNIVERSITY PRIVREDNA AKADEMIJA, PANCEVO, **Begrade, Serbia**

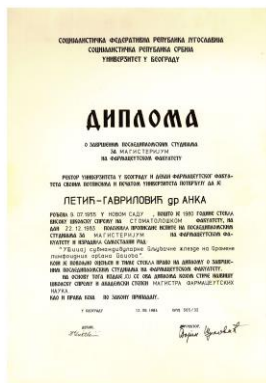
Education:

- 1. School of Stomatology,
University of Beograd, Yugoslavia (Serbia) 1974-1980
- 2. University of Chietti (Italy)
School of Dentistry 2001-2002



Qualifications:

- Doctor of Stomatology (Dr. Stom.) 1980
- Master of **science in Pharmacy/**
Biochemistry/Immunology (M.Sc.) 1983
- Doctor of Science (Ph.D. - Doc. Sc.)
Biochemistry/Immunology 1988
- Specialization in Medical
Clinical Biochemistry 1997



Languages: Serbian (mother tongue)
English and Italian (fluent)
Spanish and French (reading and some speaking ability)

Subaticals at International Institutions:

| | |
|--|-----------------------------|
| Royal Post-graduate Medical School, Histochemistry Department, London, England | 1986 (6 months) |
| Meikai University, Department of Oral Pathology, Tokyo, Japan | 1989 (1 month) |
| University of "Tor Vergata" Post-graduate School for Plastic and Reconstructive Maxillo-Facial Surgery, Rome, Italy | 1999 2002-2003 (2 years) |

Editorship

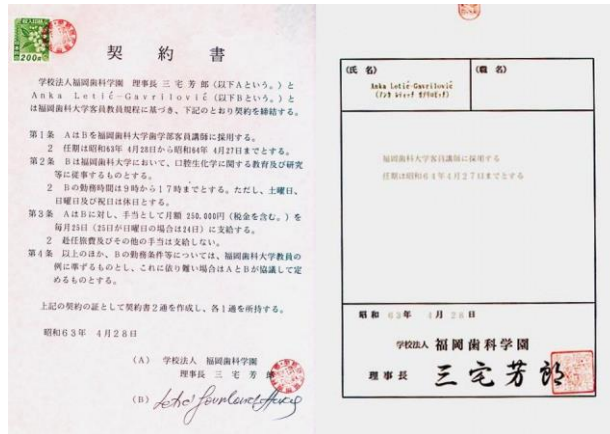
- co-editor for The **Indian Journal of Maxillofacial and Oral Surgery** (National Journal Of The Association of Oral and Maxillofacial Surgeons of the India) and
- editorial board member of **The Open Bioactive Compounds Journal** , Bentham Science Publishers
- editor: **Acta Biomaterialia - Elsevier**
- editor: **International Biodeterioration & Biodegradation - Elsevier**
- Independent Expert at **European Commission (EU)** for RTD.
Contracting 2000 - 2012

Membership:

- Japanese Association for Oral Biology 1989- Present
- British Dental Association, 2003- Present
- IADR-CED (International Association of Dental Research – Central European Division); 1998
- Yugoslav Immunology Society; 1981 - Present
- Yugoslav Periodontology Society; 1982 - Present
- TESI (Tissue Engineering Society International in the USA); 2000- present
- European Tissue Engineering Society.

Professional Experience: Teaching and scientific research

- **Associate Professor**
Department of Physiology and Biochemistry,
School of Stomatology,
University of Beograd, Yugoslavia 1981-1999
- **Senior Lecturer**
Department of Oral Growth and Development
Fukuoka Dental College, Fukuoka, Japan 1988-1989
- **Senior Scientist**
Dipartimento di Scienza Biochimiche
"A.Rossi-Fanelli", Università "La Sapienza"
Roma, Italy 1999-2002



Professional Experience: Clinical expertise according to JCA - 2002- PRESENT

- General Dentistry - Prevention, Diagnostics, Prescriptions, Pain managements,
- Clinic organization, Dental economic, Dental health education
- Pedodontics,
- Oral medicine, diagnostics
- Cosmetic dentistry, facets, Facial and lip fillings
- Endodontic - Endomate, endodontic fillers with PROTAPER, Apex measurements, posts in glass-ionomers, carbon fibers; Endodontic surgery, Apicoectomy
- Oral surgery - minor surgery with surgical extractions of third molars, Piesosurgery, extractions and implant placement
- Periodontal treatments, Laser surgery with gingivectomy, Laser detriments
- Prosthodontics – mobile and fixed
- Orthodontic treatments – MOBILE AND FIXED
- Orthodontic treatments based on short/esthetic procedures by “Nuvola” transparent orthodontic splints
- DOLPHIN Imaging system including cephalometric measurements, VTO, treatment planning
- Fixed orthodontic treatment - MBT methodology with Smart- Clip Self-ligating MBR
- Implantology – BTL Implant for fixed crowns, bridges and overdenture
- Digital radiology - with RVG Kodak 6000

Short description of scientific interest:**Prof. Letic-Gavrilovic Anka, D.D.S., Ph.D.**

During my scientific career I've collaborated with Royal Postgraduate Medical School, Histochemistry Department, London;

Fukuoka Dental College, Department of Biochemistry, Fukuoka, Japan.

I am member of few International Organisations researching in oral biochemistry, immunology and basic mechanism of dental implantology. I have particular scientific interest in Biomaterials for bone reconstructions in periodontology. I have dedicated my research interest for over 20 years to the regulatory role of growth factors in morphogenesis and postnatal development of the immune system and salivary glands. Recently, Dr Anka is very active in field of brain neurophysiology and practical applications. Neuromarketing is an academic approach to better understand how information leads to changes in attention, emotional responses, preference formation, choices and learning. Dr Letic's present interest remains beautiful mystery of brain function. While there's general agreement that attention and emotional engagement of brain, can be tracked, identifying specific emotions with confidence has been elusive. Therefore, data from neuromarketing are still best used when triangulated with more traditional data such as interviews, questionnaires, and historical data.

Patent

"Process of production of hydroxyapatite/poly-L-lactide (HAp/PLLA) composite biomaterial in various shapes and compositions for bone tissue repair.

Filed November 9, 2001" Italy 34789.

I've deposited Patent: "Process of production of hydroxyapatite/poly-L-lactide (HAp/PLLA) composite biomaterial in various shapes and compositions for bone tissue repair".

The composites, I am currently using for bone defects are flexible biomaterial, consisting of DLPLG (D-lactic-poly-L-glycolic) polymer with TCP (tri-calcium phosphate) ceramic, formulated to be a plastic, shapable, quickly resorbable bone equivalent.

PUBLICATIONS:

| | |
|--------------------------------------|----|
| Lectures by invitation | 15 |
| Papers published (peer-reviewed) | 38 |
| Paper published in Serbian | 19 |
| International Congress presentations | 50 |
| Books (Chapter) published | 5 |

Selected publications in biomaterials and medical devices:

http://www.worldcat.org/search?q=au%3ALetic%CC%81-Gavrilovic%CC%81%2C+Anka.&qt=hot_author

Letic-Gavrilovic A. S. Shibaike, M. Niina, S. Naruse and K. Abe: Localization of the chomogranins A and B, beta-endorphin and enkephalins in the submandibular salivary glands of mice. Jap J Oral Biol, 31 (4): 453-462, 1989

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Tanaka E., Habu T. **Letic-Gavrilovic A.** K. Abe: Changes in protein secretion by rat submandibular glands in response to Isoproterenol, Alpha-Methylnoradrenaline and Clonidine during postnatal development. J Dent Res, 60 (1): 60-66, 1990.

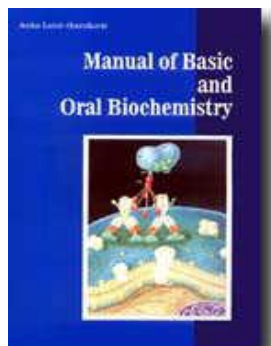
- Tanaka E., T. Habu, **A. Letic-Gavrilovic**, K. Abe: Protein secretion by rat submandibular glands in response to Isoproterenol, Alfa-Methylnoradrenaline and Clonidine during aging. *Mech Aging Development*, 54: 221-233,1990.
- Letic-Gavrilovic A**, K. Abe, M. Mori: Chromogranin B-like immunoreactivity in the submandibular salivary glands of mice during postnatal development. *Acta Histochem* 89: 1-10, 1990.
- Letic-Gavrilovic A**, K. Abe: Localization of chromogranins, non-neuron specific enolase and different forms of somatostatins in the submandibular salivary glands of mice. *J Dent Res* 69(8): 1494-1499, 1990.
- M. Tashiro, **A. Letic-Gavrilovic**, H. Nakamura, K. Ohkuma, Y. Egashira, H. Omori, H. Nagata, M. Harada, K. Abe: The Effects of 6-Hydroxydopamine and Potential Antagonists on Flow Rates and Protein Secretion by Rat Submandibular Glands. *Stom Glas S*, 44 (3): 131-137, 1997.
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- K. Yamada, **A. Letic-Gavrilovic**, M. Mori, T. Nishiura, H. Nagata, K. Abe: Immunohistochemical and quantitative analysis of cystatin S in submandibular and sublingual glands of rats. *Stom Glas S*, 45 (1): 19-25, 1998.
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- Higga K.,Motokawa W.,Abe K., **Letic-Gavrilovic A**. Regulatory Roles for Salivation of the N-Terminal Portion in Naturally Occuring and Newly Synthesized Tachykinins. *Balk J Stom* 4:76-82;2000.
- Letic-Gavrilovic A.**, Scandurra R., Giavaresi G., Fini M., Giardino R., Abe K. Osseointegration of implant devices supported with a local application of the growth factors. *Balk J Stom*, 1:78-85,2001.
- Letic-Gavrilovic A.**, Fini M., Giavaresi G., Giardino R., Abe K. Evaluation of composite collagen/hydroxy-apatite implantation and nerve growth factor (NGF) delivery on new bone ingrowth. *Acta Veterinaria*, 51 (5-6); 299-310: 2001.
- Letic-Gavrilovic A.**, Piattelly A., Abe, K. Nerve growth factor β (NGF β) delivery via collagen/hydroxyapatite composite and new bone ingrowth. *J Mat Sci: Mat Med*, 14; 1-8: 2003. <http://www.ncbi.nlm.nih.gov/pubmed/15348479>
- Letic-Gavrilovic A.**, LJ. Todorovic, Abe K. Oral Tissue Engineering of Complex Tooth Structure on Biodegradable DLPLG/ β -TCP Scaffolds. *Biomaterials: From Molecules to Engineered Tissue*, edited by N. Hasirci and V, Hasirci, Kluwer Academic/Plenum Publishers, USA, p.267-281; 2004.
- Letic-Gavrilovic A.** Bakos D.: Membranes and Bone Substitutes in Reconstructive Surgery. Nova Science Publishers,Inc. USA. ISBN 1-59454-368-2, In: *Polymeric Materials:New Research*. Ed. B.M.Caruta, pp.107-139, 2005.
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- Letic A. Digital library for dental biomaterials. In.** *Dental Computing and Applications: Advanced Techniques for Clinical Dentistry* Edited by A. Daskalaki, Max Planck Institute for Molecular Genetics, Germany, Ed. IGI, 2009.
- Letic A.** Invited Speaker. Composites/Nerve Growth Factor β (NGF β) Scaffolds for Alveolar Bone Marginal Osseointegration of Dental Implants. *World Congress of Advanced Materials*. Chongqing, 2014 China.
- Letic A.** Invited speaker. Evidence Based Communication in Dentistry. 2nd International Conference on Dental and Oral Health (Dental-2014) on April 21-23, 2014, Dubai,

BOOKS:

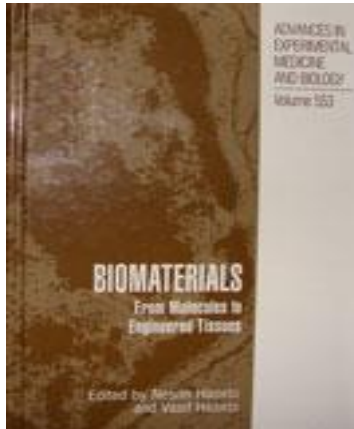
- 1. Letic-Gavrilovic A.** and Kimio Abe
"Morphology and function of the salivary glands and saliva"
Research monograph in oral biochemistry,
360 p, 1998, ISBN 86-901919-1-7
Beograd, Yugoslavia



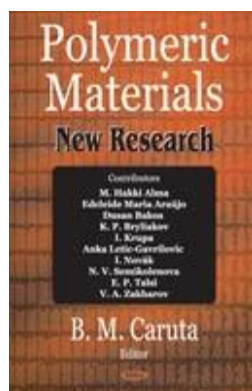
- 2. Letic-Gavrilovic A.**
"Manual of Basic and Oral Biochemistry"
University textbook for undergraduate students. ISBN 86-901919-2-5
130 p, 1998, Beograd, Yugoslavia.



3 Letic-Gavrilovic A., LJ. Todorovic, Abe K. Oral Tissue Engineering of Complex Tooth Structure on Biodegradable DLPLG/ β -TCP Scaffolds. *Biomaterials: From Molecules to Engineered Tissue*, edited by N. Hasirci and V. Hasirci, **Kluwer Academic/Plenum Publishers, USA**. p.267-281; 2004. ISBN 0-306-48583-4

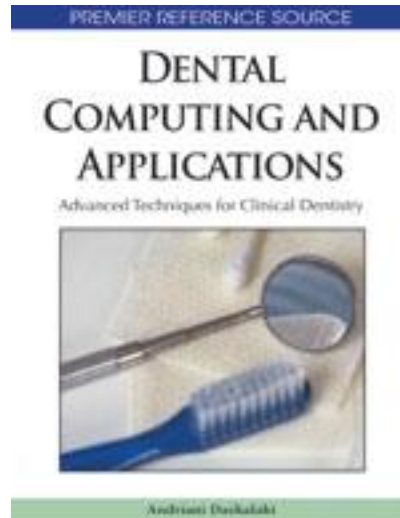


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Dental Computing and Applications: Advanced Techniques for Clinical Dentistry
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Ed. IGI, 2009.



<http://www.irma-international.org/chapter/digital-library-dental-biomaterials/8095/>

For more information about my contribution to the innovative book, *Dental Computing and Applications: Advanced Techniques for Clinical Dentistry*, please visit <http://www.igi-global.com/reference/details.asp?id=33352>