

Curriculum Vitae



Name: Rania Ahmed Helmy Salama

Email: rania.salama@dentistry.cu.edu.eg

Title : Lecturer Biomaterials Department

Academic Qualifications

Bachelor in Dental Surgery Year 2003

Master Degree in Biomaterials Year 2009

Title: "Effect of Some Design Parameters on Stability of Mini-Anchorage Implants: A Finite Element Analysis"

Doctor Degree in. Biomaterials Year 2012

Title: "Surface Treatment of Synthetic Polymeric Scaffolds: An Approach for Enhancing Cell Adhesion"

Specialisation: Dental Materials

Publications

- R. A. Salama, R. Gristina, R. d'Agostino, P. Favia, E. Sardella, G. H. Waly, and A. N. Habib
Plasma-grafting of Oxygen-containing Functionalities on Polycaprolactone Scaffolds: An Attempt to Enhance Cell Adhesion
EDJ, Jan., 2013.
- R. SALAMA, N. BADR, and A. ELRAGI.
Time-Dependant Response in Assemblies of Mini-Anchorage Implants with Different Dimensions.
J Dent Res 89(Spec Iss B): 980, 2010
- R. SALAMA, N. BADR, and A. ELRAGI.
Effect of Selected Design Parameters on Stability of Mini-Anchorage Implants.
J Dent Res 89(Spec Iss A): 539, 2010

Conferences:

- R. A. Salama, R. Gristina, A. N. Habib, G. H. Waly, R. d'Agostino, P. **Favia** and E. Sardella
RF-plasma Deposition of PEO-like Coatings on PCL scaffolds: An Approach to Guide Cell Colonization
Poster Presentation, 12th High-Tech Plasma Processes conference (HTPP-12), Bologna, Italy, June 2012
- **E. Sardella**, R. A. Salama, R. Gristina, A. N. Habib, G. H. Waly and P. Favia

An innovative method to induce cell ingrowth through 3D porous scaffolds by poor cell adhesive coatings

Oral Presentation, Società Italiana Biomateriali (SIB), Congresso Nazionale Biomateriali, 21st SIB congress, Lecce, Italy, June 2012

- **R. A. Salama**, R. Gristina, A. N. Habib, G. H. Waly, R. d'Agostino, P. Favia and E. Sardella.

PE-CVD of 3D Polycaprolactone Scaffolds for Tissue Engineering

Oral Presentation at the 4th AUCPT Workshop & Training Program in Plasma Technology Applications in Industry, Environment and Medicine, Cairo, Egypt, Nov. 2011

- **R. A. Salama**, E. Sardella, R. Gristina, A. N. Habib, G. H. Waly, R. d'Agostino and P. Favia.

Plasma Deposition of PEO-like Coatings on 3D Scaffolds

Poster Presentation, Società Italiana Biomateriali (SIB), Congresso Nazionale Biomateriali, 20th SIB congress, Bari, Italy, May 2011

- R. SALAMA, **N. BADR**, and A. ELRAGI.

Time-Dependant Response in Assemblies of Mini-Anchorage Implants with Different Dimensions

Poster Presentation, General Session, IADR, Barcelona, Spain, July 2010

- **R. SALAMA**, N. BADR, and A. ELRAGI.

Effect of Selected Design Parameters on Stability of Mini-Anchorage Implants

Poster Presentation, 39th Annual Meeting of the AADR, Washington, DC, U.S.A, March 2010.

Research Interest

1. **Biomaterial Science particularly science of Dental Biomaterials including Dental polymers, composites, ceramics and metals.**
2. **Tissue Engineering**
3. **Plasma surface treatment**
4. **Orthodontic Materials including mini-implants**
5. **Stress Analysis: Three-dimensional Finite Element Analysis**

Work History

- **Lecturer** **Jan. 2013- Present**
Department of Bio-Materials
Faculty of Oral and Dental Medicine,
Cairo University
- **Executive Board Member** **Dec. 2011- Present**
Faculty and Leadership Development Center
Cairo University
- **Assistant Lecturer** **Sept. 2009- Present**
Department of Bio-Materials
Faculty of Oral and Dental Medicine,
Cairo University
- **Instructor,** **Sept. 2004- Sept. 2009**
Department of Bio-Materials
Faculty of Oral and Dental Medicine,
Cairo University