Aliakbar Alizadeh PhD

Department:
Department of Tissue Engineering and Applied cell Sciences, School of Advanced Medical Sciences and Technologies, Shiraz University of Medical Sciences, Shiraz, Iran.
Position:
Head, Department of Tissue Engineering and Applied cell Sciences

Biography:

Dr. Aliakbar Alizadeh (born August 21th 1971) has received his Master's degree in Histology Sciences in Tabriz University of Medical Sciences (2001) and PhD in Tissue engineering (2014) from Department of Tissue Engineering and Applied cell sciences of Tehran University of Medical Sciences.. His expertise is mainly focused on regeneration of skeletal, dental and gastrointestinal systems using stem cells and biomimetic materials. His publications, including book chapters, editorials, abstracts and original articles are published in collaboration with an international network of scientists around the world. He has a long-standing experience in teaching the basic and advanced courses of histology, stem cell biology, tissue engineering and regenerative medicine to postgraduate biomedical and engineering students and to physicians in training.
Dr. Alizadeh founded the Department of Tissue Engineering and Applied cell sciences at Shiraz University of Medical Sciences in March 2016 and serve as the head of that department until now (23 February 2022).

Research:

Dr. Alizadeh is working on an integrated multidisciplinary tissue engineering approach and advanced methodologies to create complex biomaterials-stem cells constructs. His research interests focus on Scaffolding in Tissue Engineering

- ✓ Injectable and In-situ Scaffolds; Preparing natural/synthetic injectable, in-situ cross-linkable hydrogels, surveys for improving physiologically compatible in-situ hardening methods, improving the final scaffold's characteristics for specific target tissues, cell loading in injectable systems.
- ✓ Bone Tissue Engineering; Preparing natural polymers/ceramics/bio-glass in the form of nano or micro composite scaffolds, improvement of mechanical performance for load-bearing applications, loading stem cells into scaffolds and in vitro and in vivo surveys of inhalation procedures.
- ✓ Cartilage Tissue Engineering; Preparing natural polymers/natural fibers/PRP in the form of composites/biphasic scaffolds, loading stem cells/chondrocytes into scaffolds and in vitro and in vivo surveys, improving the clinical performance for one-step procedures.
- ✓ Dental Tissue Engineering; Preparing natural scaffolds including natural membranes, improving natural scaffolds structure and properties with surface treatments using plasma treatment/electrospun nanofiber deposition/grafting biological molecules, loading stem cells in/on scaffolds for in vitro and in vivo surveys.
- ✓ computer related technologies (Computer-Aided Tissue Engineering and bioprinting)
- ✓ Preparation acellular scaffolds and cell sheet engineering.

Teaching:

Principles of Tissue Engineering
Principles of Stem Cell Biology
2D & 3D Cell Culture
Basic and Advanced Histology
Histotechnology

AWARDS:

- ✓ First Rank in the PhD Examination of Tissue engineering awarded by Ministry of Health, Tehran, Iran, 2010
- ✓ In11Th Iranian congress of physical medicine, Rehabilitation & Electro diagnosis, Shiraz, Iran, 2008. The prize of the best article presented awarded for my article entitled as: "The effect of lamotrigine on regeneration and repair of sciatic nerves in rabbit as an animal model."

- ✓ In 6th Iranian Congress of Anatomical Sciences, Shiraz, Iran, 2004. The prize of the best poster presented awarded for my article entitled as: "The effect of Gentamicin on eye development."
- ✓ First Rank in the MSc Examination of Histology awarded by Ministry of Health, Tehran, Iran, 2001.

Languages:

Persian: Fluent (Mother tongue).
English: MCHE Certified (Score 82).

Publications:

Scopus: https://www.scopus.com/authid/detail.uri?authorId=56200019000

Google Scholar:
https://scholar.google.com/citations?user=cVM00PAAAAAJ&hl=en

Researcher ID: https://publons.com/researcher/1564932/alizadeh-aa/

ORCID: https://orcid.org/0000-0002-8766-8163

ResearchGate: https://www.researchgate.net/profile/Ali-Alizadeh-14

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