ÖZGEÇMİŞ

Ad - Soyad : **Serkan YAMAN**

Unvanı : **Öğr. Gör. Dr. / Araştırmacı**

Kurum Birimi : **Türkiye Biyoteknoloji Enstitüsü**

E-Mail : **serkan.yaman@tuseb.gov.tr**

Yabancı diller : **İngilizce**

Eğitim

Doktora: Biyomedikal Mühendisliği – Birleşik Biyomedikal Mühendisliği Programı

University of Texas at Arlington / University of Texas Southwestern Medical Center, (2014-2019).

Yüksek Lisans: Biyomühendislik - Yıldız Teknik Üniversitesi, (2010-2012).

Lisans: Moleküler Biyoloji ve Genetik - İstanbul Üniversitesi, (2006-2010).

Tezler

- **Yüksek Lisans Tezi:** *"Monoclonal antibody development with hybridoma technique against the antigen of Leishmania Infantum, causative agent of visceral leishmaniasis."*
- **Doktora Tezi: "***Lung Cancer Targeted Chemotherapy Via Herceptin Based Chimeric Antigen Receptor (CAR) Engineered T Cell Membrane Coated Synthetic Nanoparticles."*

Projeler

- **"Production and Characterization of T Cell Targeting Fusogenic Receptor Decorated, Anti-EGFR CAR mRNA Carrier Biomimetic Virus-Like Particles",** (TÜSEB), Strategic Health Technologies R&D Projects Funding Program **Role:** Principal Investigator, **Project Number:** 28013, **Duration:** (2023- 2026).
- **"Manufacturing, Clinical Validation and GMP Infrastructure Establishment for Indigenous CD-19 CAR-T Cell and Gene Therapy",** (TUSEB), Strategic Health Technologies R&D Projects Funding Program, **Role:** Researcher & GMP Manufacturing Manager, **Project Number:** 48722, **Duration:** (2025-2028) .
- **"Establishing of Cancer Mission Hubs: Networks and Synergies"**, (HORIZON), Call for Research and Innovation Actions Supporting the Implementation of the Mission on Cancer (HORIZON-MISS-2022-CANCER-01) **Role:** Researcher, **Project Number:** 101104587, **Duration:** (2023- 2024).
- **"Turkiye National Genome and Bioinformatics Project",** Republic of Türkiye, Presidential Strategy and Budget Directorate, **Role:** Researcher, **Duration:** (2022-2025).
- **"Turkiye Genome Project Analysis and Sharing (98 Whole Genomes)",** (TÜSEB), Strategic Health Technologies R&D Projects Funding Program, **Role:** Researcher, **Project Number:** 24295 **Duration:** (2023-2025).
- **"Development of Inorganic Nanoparticle Containing Cellulose-Based New Generation Wound Dressings",** (TÜSEB), Strategic Health Technologies R&D Projects Funding Program, **Role:** Researcher, **Project Number:** 37988 **Duration:** (2024-2026).
- **"Point of Care Detection Kit Development for waterborne fecal-oral microbiological agents that threaten human health in ordinary and extraordinary situations"**, (TÜSEB), Strategic Health Technologies R&D Projects Funding Program, **Role:** Researcher, **Project Number:** 43801, **Duration:** (2024-2026).

- **"Development of Chimeric Antigen Receptor and Anti-cancer Pro-toxin Carrier Erythrocyte Derived Nano-vesicles as Therapeutic Carriers",** (TÜBİTAK), 1001-Scientific and Technological Research Projects Funding Program **Role:** Principal Investigator, **Project Number:** 221S422, **Duration:** (2022- 2025).
- **"Development of Drug Susceptibility Tests in Organoids in Platinum-Resistant Relapsed Ovarian Cancer Patients" (**TÜSEB), 2025-Group B-Invitation/ Group-B R&D Projects Funding Program, **Role:** Researcher**, Project Number:** 48717, **Duration:** (2025-2027).
- **"Development of Nitidine-Paclitaxel Loaded Lipid-Chitosan Hybrid Nanoparticles That Can Reverse Drug Resistance in a Paclitaxel-Resistant Ovarian Cancer Cell Line",** Yıldız Technical University, Scientific Research Projects Coordinatorship – Multidisciplinary Research Project **Role:** Researcher, **Project Number:** FCD-2021-4289, **Duration:** (2021-2023).
- **"Development of Biotechnological Rapid Diagnostic Test Kits for Use in The Diagnosis of COVID-19 (SARS-COV-2)"** Small and Medium Enterprises Development Organization of Turkiye - R&D, P&D, and Innovation Support Program, **Role:** Advisor, **Project Number:** 3VHYU**, Duration:** (2020-2022).
- **"T-Cell Mimicking Nanoparticles for Targeted Delivery of Chemo-Drugs to Effectively Treat Melanoma"** Sponsored by University of Texas at Arlington Interdisciplinary Research State Funding Program, **Role:** Researcher, **Duration:** (2017-2018).

Posterler, Bildiriler ve Sözlü Sunumlar

- Yolalan, G., Yıldırım, İ. S., **Yaman, S.,** "Development of Erythrocyte Differentiation And Production Model By Using Embryonic Stem Cells as a Source Towards Artificial Blood Applications" 1st International Yildirim Bayezid Scientific Research and Innovation Symposium (09-10 May 2025), Bursa, Turkiye.
- Dere, S., **Yaman, S.,** "Conducting Molecular Docking Studies Against Helicobacter Pylori-Derived Urease as a Drug Candidate Molecule for Gastric Cancer" 8th International Aegean Conference on Natural & Medical Sciences (23-25 February 2024), Izmir, Turkiye.
- Ramachandramoorthy, H., **Yaman, S.,** Sabnani, M., Iyer, P., Chintapula, U., Nguyen, T., Kotadia, T., Pop, L.M., Hannan, R., Weidanz, J.A., Nguyen,K.T. "Cancer Targeted Chemotherapy Via Herceptin Based Chimeric Antigen Receptor (CAR) Engineered T-Cell Membrane Coated Polymeric Nanoparticles" BMES Annual Meeting (2022), San Antonio, TX.
- **Yaman, S.,** Ramachandramoorthy, H., Kumar, M.S., Nguyen, T., Chintapula, U., Weidanz, J. and Nguyen, K.T. "Lung Cancer Targeted Chimeric Antigen Receptor (CAR) Engineered T Cell Membrane Coated Synthetic NPs." BMES Annual Meeting (2021), Orlando, FL.
- Kuriakose, A.E., **Yaman, S.,** Banarjee, S., Nguyen, K.T. Development of Engineered Cell Therapy Using Gp1bα Expressing Endothelial Cells Loaded with Lipoxin A4 Eluting Nanoparticles. BMES Annual Meeting (2019), Philedelphia, PA.
- Rodriguez, E., **Yaman, S.,** Soto-Garcia, L., Nguyen, K.T. Bioengineered Trail Expressing Bacterial Membrane Mediated Cancer Therapy: A Genetic Engineering Approach to Microbiome Based Cancer Therapies. BMES Annual Meeting (2019), Philedelphia, PA.
- **Yaman, S.,** Ramachandramoorthy, H., Kumar, M.S., Weidanz, J. and Nguyen, K.T. Phagocytic Cell Mediated Drug Delivery & Release via Magnetic Field Induced Vomocytosis Using Magnetic Nano-Liposomal Vesicles. BMES Annual Meeting (2018), Atlanta, GA.
- Abdallah, M.G., Yousufuddin, M., **Yaman, S**., Khan, R., Kim, Y.T. and Iqbal, S.M., (2017). *Surface functionalization of nanoporous PLGA microparticles*. In 2017 IEEE 12th Nanotechnology Materials and Devices Conference (NMDC) (pp. 204-205). IEEE.
- **Yaman, S.,** Weidanz, J.A., Nguyen, K.T. Development of a Drug Loaded Nano-Liposomal Vesicle Platform to Use in Drug Carrier Cell Applications for the Improvement of Immuno-Chemotherapy Outcomes. BMES Annual Meeting (2017), Phoenix, AZ.
- Pandey, N., **Yaman, S.,** Rodionov, B., Jones, V., Zimmern, P., Nguyen, K. T., & Hong, Y. Nanoparticles Enhanced Adhesion Strength of Hyaluronic Acid Based Hydrogels. Society for Biomaterials 2017 Annual Meeting Exposition (2017), Minneapolis, MN.
- Pandey, N., **Yaman**, **S.,** Urias, A., Jones, V., Nguyen, K.T., Hong, Y. Mussel-Inspired Wet Tissue Adhering Nanocomposites for Diabetic Foot Ulcer Treatment. Society for Biomaterials Annual Meeting (2016), Minneapolis, MN.
- **Yaman, S**., Pandey, N., Urias, A., & Nguyen, K. T. Polydopamine Nanoparticle Size Optimization for Smart Drug Delivery Applications. Society for Biomaterials 2017 Annual Meeting Exposition (2017), Minneapolis, MN.
- **Yaman, S.,** Çetiner, K., Iyer, R. Screening of Lipid-PLGA Hybrid Nanoparticles for Pulmonary Drug Delivery in Lung Cancer Therapy BMES Annual Meeting (2016), Minneapolis, MN.
- Iyer, R., **Yaman, S.,** Kuriakose, A. E., Nguyen, K.T. Screening of Nanoparticles and Nanoparticle Delivery Strategies for Treatment of Atherosclerosis Via Coated Angioplasty Balloons. BMES Annual Meeting (2015), Tampa, FL.

- Iyer, R., **Yaman, S.,** Su L.C., Xu, H., Yang, J., Banerjee, S., Nguyen, K.T. Nanoparticle delivery Via Angioplasty Balloons for Treatment of Atherosclerosis. Biomaterials Day (2015), Rice University, Houston, TX.

- **Yaman**, **S.,** Koc, R.C. "The Fabrication of Fast, Sensitive and Point of Care Detection Kits for Detecting Source Contaminations of Meat and Meat Products". 2nd International Food R&D Brokerage Event (June 2013) Swissotel Grand Efes, Izmir/Turkiye.

- **Yaman**, **S.,** Koc, R.C. "The Fabrication of Fast, Sensitive and Point of Care Detection Kits for Detecting Source Contaminations of Meat and Meat Products". 3rd Turkey Innovation Week (November 2013). Istanbul Congress and Conference Center, Istanbul/Turkiye.

Yayınlar

- **Yaman, S.**, Ramachandramoorthy, H., Iyer P., Chintapula U., Nguyen, T., Sabnani M., Kotadia, T., Ghaffari S., Pop, L., Hannan, R., Weidanz, J.A. and Nguyen, K.T. (2024). *Targeted chemotherapy via HER2-based chimeric antigen receptor (CAR) engineered T-cell membrane coated polymeric nanoparticles.* Bioactive Materials. (34, 422-435). DOI: https://doi.org/10.1016/j.bioactmat.2023.12.027 (https://www.uta.edu/news/news-releases/2024/02/23/innovative-chemotherapy-approach-shows-promise-against-lung-cancer).

- **Yaman, S**., Ramachandramoorthy, H., Oter, G., Zhukova, D., Nguyen, T., Sabnani, M.K., Weidanz, J.A. and Nguyen, K.T. (2020). *Melanoma Peptide MHC Specific TCR Expressing T-Cell Membrane Camouflaged PLGA Nanoparticles for Treatment of Melanoma Skin Cancer*. Frontiers in Bioengineering and Biotechnology. (*8*, 943.). DOI: https://doi.org/10.3389/fbioe.2020.00943.

- **Yaman, S**., Chintapula, U., Rodriguez, E., Ramachandramoorthy H. and Nguyen, K.T. (2020). *Cell-mediated and Cell Membrane-coated Nanoparticles for Drug Delivery and Cancer Therapy*. Cancer Drug Resist. (3, 879-911). ISSN 2578-532X. DOI: https://doi.org/10.20517/cdr.2020.55.

- Yilmaz. R., Calik, H., **Yaman, S**., Ustun Karatop, E., Cakir Koc, R. (2023). *Immunogenic Evaluation of Multi-Epitope Peptide- Loaded PCPP Microparticles as a Vaccine Candidate Against Toxoplasma Gondii.* Comparative Immunology, Microbiology and Infectious Diseases. (92, 101927). DOI: https://doi.org/10.1016/j.cimid.2022.101927.

- Pandey, N., Garcia, L.S., **Yaman, S.,** Kuriakose, A., Rivera, A.U., Jones, V., Liao, J., Zimmern, P., Nguyen K.T., Hong, Y. (2022). *Polydopamine nanoparticles and hyaluronic acid hydrogels for mussel-inspired tissue adhesive nanocomposite.* Biomaterials Advances. (134, 112589). DOI: https://doi.org/10.1016/j.msec.2021.112589.

- Pandey, N., Urias, A., Jones, V., **Yaman, S**., Hakamivala, A., Rodionov, B., Liao, J., Zimmern, P., Nguyen, K. and Hong, Y., (2019). O*ptimizing the nanoparticle enhanced adhesion of mussel inspired hydrogels for tissue interfacing*. The Journal of Urology, (201, 19). DOI: https://doi.org/10.1097/01.JU.0000554931.86549.51.

- Iyer, R., Kuriakose, A.E., **Yaman, S**., Su, L.C., Shan, D., Yang, J., Liao, J., Tang, L., Banerjee, S., Xu, H. and Nguyen, K.T., (2019). *Nanoparticle eluting-angioplasty balloons to treat cardiovascular diseases*. International journal of pharmaceutics. (554, 212-223). DOI: https://doi.org/10.1016/j.ijpharm.2018.11.011.

- Allahverdiyev, A.M., Bagirova, M., **Yaman**, **S.,** Koc, R.C., Abamor, E.S., Ates, S.C., Baydar, S. Y., Elcicek S., and Oztel O.N., (2013). *Development of New Antiherpetic Drugs Based on Plant Compounds: A Review, Fighting Multidrug Resistance with Herbal Extracts*, Essential Oils and Their Components. pp.245-259. ISBN: 978-012-398-539-2, Academic Press (Elsevier). DOI: http://dx.doi.org/10.1016/B978-0-12-398539-2.00017-3245.

- Allahverdiyev, A.M., Bagirova, M., Abamor, E.S., Ates, S.C., Koc, R.C., M. Miraloğlu, Elcicek S., **Yaman**, **S.** and G. Unal (2013). *The Use of Platensimiycin and Platencin to Fight Antibiotic Resistance*. Journal of Infection and Drug Resistence, Dove Press, DOI: http://dx.doi.org/10.2147/IDR.S25076.

- Allahverdiyev, A.M., Bagirova, M., Oztel O.N., **Yaman**, **S.,** Abamor, E.S., Koc, R.C., Ates, S.C., Elcicek S. and Baydar, S. Y. (2012). *Aldehyde Dehydrogenase: Cancer and Stem Cells*. Dehydrogenases, Prof. Rosa Angela Canuto (Ed.), ISBN: 978-953-307-019-3, InTech, DOI: http://dx.doi.org/10.5772/48591.

- Allahverdiyev, A.M., Bagirova, M., Elcicek S., Koc, R.C., Ates, S.C., Baydar, S. Y., **Yaman**, **S.,** Abamor, E.S. and Oztel O.N. (2012). *Glucose-6-Phosphate Dehydrogenase Deficiency and Malaria: A Method to Detect Primaquine-Induced Hemolysis in vitro*. Dehydrogenases, Prof. Rosa Angela Canuto (Ed.), ISBN: 978-953-307-019-3, InTech, DOI: https://doi.org/10.5772/48403.

- Tuncel, T., **Yaman**, **S.,** Güzel, İ.E. (2024). *Transformative Effects of Biotechnological Applications on the Health Services: A Comprehensive Perspective.* Technology Transformation in Health, Prof. Erhan Akdoğan (Ed.), Ankara Nobel Medicine Press.

Patentler

- Nguyen, K.T., Weidanz, J., **Yaman, S.**, Ramachandramoorthy, H., and Kumar, M.S. (PCT in progress). *Double Sided Chimeric Antigen Receptor (CAR) Engineered Cell Membrane Based Drug Delivery Systems,* US Application Number: PCT/US2022/027883, WIPO Publication Number: WO/2022/235941 (https://patents.google.com/patent/WO2022235941A1).

Toplantılar, Kurslar ve Sertifika Eğitimleri

Course Name	**Semester**	**Place**
Drug Carrier & Controlled Release Systems	2020-Fall	Genetics & Bioengineering Department (G.U)
Genetics & Bioengineering Lab-I, II and III	2020-Fall, 2021-Spring	Genetics & Bioengineering Department (G.U)
Experimental Animals and Laboratory Applications	2021-Spring	Genetics & Bioengineering Department (G.U)
Genetic Engineering	2020-Fall	Genetics & Bioengineering Department (G.U)

Offered Workshop Name	**Role**	**Date(s)**	**Place**
Theoretical and Applied Advanced Cell Culture and Western Blot Workshop	Organizer and Trainer	14-15 Dec 2021, 07-08 Mar 2022	BİYAŞAM Center
Theoretical and Applied Advanced Cell Culture	Organizer and Trainer	22 Oct 2024	BİYAŞAM Center
Theoretical and Applied Recombinant Gene Technology and Molecular Cloning Workshop	Organizer and Trainer	6-10 Jun 2022, 10-12 Aug 2022, 12-13 Jul 2023, 30 Jun-02 Jul 2025	BİYAŞAM Center
Theoretical and Applied Flow Cytometer Workshop	Organizer and Trainer	7 Sep 2023	BİYAŞAM Center
Theoretical and Applied Western Blot Workshop	Organizer and Trainer	16-17 May 2023	BİYAŞAM Center
GMP & GLP QC Training on Medical Products	Organizer	12 Dec 2023	BİYAŞAM Center
Theoretical and Applied Recombinant Protein Manufacturing in Prokaryotic Systems Workshop	Organizer and Trainer	15-16 Feb 2024	BİYAŞAM Center
Theoretical and Applied Eukaryotic Gene Transfer Workshop	Organizer and Trainer	25-26 July 2024	BİYAŞAM Center
Miltenyi CliniMACS Prodigy User Training & Certificate Program	Attendee	29-31 July 2025	Miltenyi Biotec Training Center

Görev Alınan Organizasyonlar

Organization Name	**Role**	**Date(s)**	**Web Page**
International Online Conference on Engineering and Natural Sciences (IOCENS-21)	Scientific Committee Member	5-7 Jul 2021	https://acikerisim.gumushane.edu.tr /xmlui/handle/20.500.12440/5535
TÜSEB 2024 Strategy & Vision Workshop	Orginizing Committee Member	26-27 Mar 2022	https://files.tuseb.gov.tr/tuseb/files /yayinlar/dijital-tuseb-strateji-ve-vizyon-calistayi-raporu.pdf
TÜSEB Future Health "Health Technologies of the future – Genomics" Congress (TFH-G 2023)	Orginizing Committee Member	8-9 Dec 2023	https://futurehealthcongress.tuseb.gov.tr/en/
Bio StartUp Entrepreneurship Program (Organized by Association of Research-Based Pharmaceutical Companies (AIFD))	Jury Member	13 May 2022	https://www.biostartup2022.com/
PharmUp Entrepreneurship Program (Sponsored by Sanofi Turkiye and Endeavor)	Jury Member	1 Oct 2021	https://endeavor.org.tr/pharmup-programi-demo-day-ile-son-buldu/ https://www.sanofi.com.tr/tr/pharmup/pharmup-2021-demoday
Due Diligence and Necessity Assessment Workshop for Rare and Undiagnosed Diseases Research Field Stakeholders	Discussant	22 Dec 2023	https://rareboost.ibg.edu.tr/tr/2023/12/28/nadir-ve-tanisiz-hastaliklar-arastirma-alani-paydaslari-icin-durum-ve-ihtiyac-belirleme-calistayi/
Frontiers in Materials & Frontiers in Bioengineering and Biotechnology	Review Editor	2021- Present	https://loop.frontiersin.org/people/972906
Journal of Drug Delivery Science and Technology (Elsevier)	Review Editor	2021- Present	https://www.sciencedirect.com/journal/journal-of-drug-delivery-science-and-technology
3rd US International Conference on Surfaces, Coatings and Nanostructured Materials— NANOSMAT-USA 2016	Orginizing Committee Member	18-20 May 2016	http://www.nanosmat.co.uk/americas/about/

Üye Olunan Kurum ve Dernekler

- Biomedical Engineering Society (BMES)
- Lung Regeneration and Repair Consortium (LRRC)

Kazanılan Ödüller ve Burslar

- Full-Coverage International Graduate (Ph.D.) Scholarship Award from Turkish Ministry of Education in Biomedical Engineering field (2013-2019).
- 2nd place (runner-up) and 5000$ monetary award in II. International Food R&D Brokerage Event with the "The Fabrication of Fast, Sensitive and Point of Care Detection Kits for Detecting Contaminations of Meat and Meat Products" project out of 417 competitors (Organized by Assembly of Turkish Exporters (https://www.star.com.tr/ege/cilgin-projeler-tim-gida-arge-proje-pazari-tezgahinda-haber-759549/).

İş Deneyimleri

Health Institutes of Turkiye (TUSEB), Turkish Biotechnology Institute (TBE) – Ankara, Turkey

Researcher, Principal Investigator in TBE, GMP Cellular Therapy Line **Manufacturing Manager**

06/2021 – Present

Görev & Sorumluluklar:

- Leading and conducting research projects on **novel engineered cellular vesicles**, **mRNA-based CAR-T cell therapies**, and **biomimetic payload delivery systems**.
- Serving as a researcher in the **Turkish National Genome & Bioinformatics Project**, contributing to national-level genomic and computational biology initiatives.
- Directing, organizing, and training within the **BİYAŞAM (Biotechnological Pharmaceuticals and Vaccine R&D and Training Center) Applied Training Series**, providing hands-on education for next-generation scientists.
- Developing innovative research project concepts and supervising the **research team**, providing scientific and strategic guidance within the institute.
- Planning and coordinating **new infrastructure development**, ensuring alignment with the center's research and technological requirements.
- Representing the institute at **international and national conferences, symposiums, and workshops** as a **speaker, referee, contributor, or participant**.
- Managing the **GMP Cellular Therapy Manufacturing Line**, ensuring **CAR-T cell therapies** are produced under GMP-compliant standards.
- Overseeing **quality management, regulatory compliance, and documentation** processes aligned with national and international guidelines.
- Coordinating with **QA/QC teams** to ensure release criteria are met for cell therapy products.
- Training and supervising personnel in **cleanroom operations, aseptic techniques, and GMP-compliant workflows**.
- Leading **technology transfer, process scale-up, and validation activities** to enable clinical translation of cell and gene therapy products.

Gümüşhane University, Department of Genetics & Bioengineering, Gümüşhane, Turkey

Lecturer (Ph.D.) in Department of Genetics & Bioengineering, **Researcher** in Central Research Laboratory

01/2020 – 06/2021

Görev & Sorumluluklar:

- Served as a **Post-Doctoral Lecturer** in Genetics & Bioengineering.
- Delivered **undergraduate theoretical and laboratory courses** in molecular biology, genetics, and bioengineering.
- Conducted research on **rapid biotechnological diagnostic test kits for COVID-19**.
- Acted as the **Molecular Biology Unit Coordinator** in the Central Research Laboratory.

University of Texas at Arlington – Department of Bioengineering, Arlington, TX, USA

Research Fellow, Nanomedicine & Tissue Engineering Laboratories

08/2014 – 08/2019

Görev & Sorumluluklar:

- Developed **biomimetic and stimuli-responsive drug delivery nanoparticle systems** for targeted cancer therapy.
- Advanced **CAR-T cell systems for lung cancer**, including in vitro functional assays.
- Performed **in vitro therapeutic evaluations** of chemo-drugs and immunotherapies.
- Conducted **animal experiments** involving drug delivery, immunotherapy, and regeneration studies.
- Participated in multiple projects focused on **drug delivery, tissue engineering, and CAR-T systems**.
- Served as **Laboratory Safety Officer** and was responsible for **Cell Culture Unit operations**.

Nitelikler

-Advanced cell culture & upstream techniques	-*In vitro* techniques of various cellular interventions	-Transfection, viral transduction, virus production & characterization
-CAR-T cell R&D, GMP production, QC & Clinical Follow -Up	-Microscopic imaging (spectral, confocal, and fluorescent)	-Flow cytometry, Cell sorting techniques (FACS & MACS)
-Bioinformatics (synthetic biology applications, de-novo designs)	-Recombinant gene & protein engineering, production & characterization techniques	-Genomic techniques (PCR, sequencing (Sanger and Novaseq) and electrophoretic techniques)
-Procaryotic cell culture techniques (bacterial and yeast)	-Recombinant bacteria and bacterial protein manufacturing techniques	-Downstream recombinant protein manufacturing techniques
-Proteomic Techniques (SDS-PAGE, Western Blot, ELISA etc.)	-Nanoparticle based & biomimetic drug carrier development, synthesis & QC	-Electron microscopy of particulate systems (SEM & TEM)
-Basic coding (C#, C++) & 3D model design software skills	-Molecular Biology Tools (molecular cloning, flow cytometry analysis, genomics &, proteomics software skills)	-Academic Tools (EndNote, Design-Expert, Graph-Pad etc.)
-*In vivo* animal model development for various purposes (biodistribution, investigation, treatment, and challenge) models for cancer (chemotherapy and immunotherapy), vaccine, CAR-T cell, ischemia, chronic wound healing, antibody development, drug delivery, biomimetic systems, vaccines, and regeneration studies)		

Metrikler

- Yayın: 12
- Atıf : 384
- h-index: 10
- I10-index: 10