

سیده سارا شفیعی

استادیار

پست الکترونیکی: shafiei@nigeb.ac.ir

آدرس اینترنتی: nigeb.ac.ir

تلفن: 44787301

دورنگار: 44787395

تلفن همراه:

آدرس: انتهای بزرگراه همت غرب، بلوار پژوهش، پژوهشگاه ملی مهندسی ژنتیک و زیست فناوری

**مشخصات فردی**

نام و نام خانوادگی: سیده سارا شفیعی

تاریخ تولد:

شغل : استادیار

آدرس: صندوق پستی: 14965-161، ایران، تهران، کیلومتر 15 اتوبان تهران-کرج، شهرک علم و فناوری پژوهش، پژوهشگاه ملی مهندسی ژنتیک و تکنولوژی زیستی

تلفن: 44787301-21-0098

فکس: 44787393-21-0098

**تحصیلات:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **مقطع تحصيلي** | **رشته تحصيلي** | **دانشگاه** | **سال فارغ التحصيلي** | **کشور** |
| **ليسانس** | **مهندسی مواد** | **امام خمینی**  | 1384 | ایران |
| **فوق ليسانس** | **مهندسی پزشکی بیومتریال** | **امیرکبیر** | 1386 | ایران |
| **دکترا** | **مهندسی پزشکی بیومتریال** | امیرکبیر | 1391 | ایران |

**سوابق پژوهشی:**

تهیه و ساخت گرانول های کلسیم فسفاتی حاوی نانو ذرات برای کاربرد در حراجی های ارتوپدی

ساخت و ارزیابی داربست های نانو کامپوزیتی بر پایه PCL حاوی نانو ذرات در کاربردهای مهندسی بافت سخت و نرم

کشت و تمایز سلول های بنیادی برروی نانوکامپوزیت های پلیمری سرامیکی حاوی نانو ذرات

**زمینه های تحقیقاتی:**

Biomaterials in tissue engineering and drug delivery systems, polymer/ceramics bionanocomposites.cell culture. stemcells in biomaterials and tissue engineering

**انتشارات:**

مطابق با رزومه به روز شده میباشد

**PUBLICATIONS**

**Journal pub:**

1. Tina baradaranو **Seyedeh Sara Shafiei1**,\*, Sepideh Mohammadi1, 3, Poly (ε-caprolactone)/layered double hydroxide microspheres-aggregated nanocomposite scaffold for osteogenic differentiation of mesenchymal stem, Materials today communication, 2020, https://doi.org/10.1016/j.mtcomm.2020.100913
2. Hadi Tohidlou1, **Seyedeh Sara Shafiei1**,”Amine-functionalized Single-walled Carbon Nanotube/Polycaprolactone Electrospun Scaffold for Bone Tissue Engineering: in vitro Study” Fibers and Polymers 2019, Vol.20, No.9, 1869-1882.
3. Faranak Baniahmada,b, , Soroor Yousefia,b , Mohammad Rabieeb, **Seyedeh Sara Shafieia**,\*, Sodium Alendronate intercalation in double layered hydroxide/poly (-caprolactone) for osteoporosis treatment,Iranian journal of biotechnology,Acepted,2019.11.20
4. Zahra Gorgin karaji,**Sara Shafiei**, Biofunctionalization of Titanium granules with simvastatin for improving osteogenic differentiation,2017, v 32,6.
5. SepidehMohammadi, **Seyedeh Sara Shafieia**,\*, Mitra Asadi-Eydivand , Mahmoud Ardeshird, and Mehran Solati-Hashjin, Graphene oxide-enriched Poly (ε-caprolactone) electrospun nanocomposite scaffold for bone tissue engineering applications, accepted. july 2016.
6. [Mitra Asadi](https://www.researchgate.net/profile/Mitra_Asadi2) · [Mehran Solati-Hashjin](https://www.researchgate.net/profile/Mehran_Solati-Hashjin) · [**Seyedeh Sara Shafiei**](https://www.researchgate.net/profile/Sara_Shafiie) · [Noor Azuan Abu Osman](https://www.researchgate.net/profile/Noor_Azuan_Abu_Osman), : Structure, Properties, and In Vitro Behavior of Heat-Treated Calcium Sulfate Scaffolds Fabricated by 3D, PLoS ONE 11(3) · March 2016.
7. **Seyedeh Sara Shafiei** , Mahnaz Shavandi , GhasemAhangari , Fatemeh Shokrolahi, Electrospun layered double hydroxide/poly (ε-caprolactone) nanocomposite scaffolds for adipogenic differentiation of adipose-derived mesenchymal stem cells, Applied Clay Science 127-128(2016):52-63 · April 2016.
8. ***Seyedeh Sara Shafiei***, Mehran Solati-Hashjin, Ali Samadikuchaksaraei, Reza Kalantarinejad, Mitra Asadi-Eydivand, Noor Azuan Abu Osman, Epigallocatechin Gallate/Layered Double Hydroxide Nanohybrids: preparation, Characterization, and In Vitro Anti-Tumor. PLOS ONE | DOI:10.1371/journal.pone.0136530 August 28, 2015.
9. **Seyedeh Sara Shafiei**, Mehran Solati-Hashjin, Hasan Rahim-Zadeh, Ali Samadikuchaksaraei,”*Synthesis and characterisation of nanocrystalline Ca-Al layered double hydroxide [(Ca2Al(OH)6).NO3.nH2O]: In vitro study”,* journal of advances in applied ceramics, Vol 112, 1 (January 2013), pp. 59-65. *DOI 10.1179/1743676112Y.0000000045.*
10. **Seyedeh sara Shafiei*,*** Mehran Solati-Hashjin, Reza Kalantarinezhad, Ali samadi, “ Evaluation of hydrothermal treatment on thermal and biological properties of Ca-Al Layered double hydroxide”, Iranian journal of ceramic science and engineering, no 3, winter 2013, p13-p26.
11. **S.S. Shafiei**, M. Solati-Hashjin, M. Salarian, *"Synthesis, Characterization and Evaluation of Drug Release from Mg/Al-LDH Nanobiohybrid*”, Amirkabir Journal of Science and Technology,vol 20, no 70, p 37-43, 2010.
12. **S.S.Shafiei, M.Solati-Hashjin, M. Salarian,** “ Evaluation of structure, thermal property and drug release of nano structure clay containing Ibuprofen”, Iranian journal of biomedical Engineering, vol 3, no 2, summer 2009.
13. Mehrnaz Salarian, Mehran Solati-Hashjin, **Seyedeh Sara Shafiei**, Reza Salarian and Ziarat Ali Nemati "Template-directed hydrothermal synthesis of dandelion-like hydroxyapatite in the presence of cetyltrimethylammonium bromide and polyethylene glycol”, Ceramics International, Vol.35, No.7, pp.2563-2569 (2009)
14. M. Azimi, Z. T. Birgani, M. Solati-Hashjin, A. Darvish, **S. Shafiei** "Ca/Al Layered Double Hydroxides Hydrothermally Modified for Biomaterials Applications”, European Cells and Materials Journal Vol. 19, Suppl. 1, 2010, p 19
15. **S.S. Shafiei**, M. Solati-Hashjin, M. Salarian, M. Tahririb, M. Karimib, and A. Aminianb, “Mg2Al-Layered Double Hydroxide with Organic Anion Intercalation”, Materials Science-Poland(revised)
16. M. Salariana, M. Solati-Hashjinb, **S.S. Shafieib**, A. Goudarzib,c, R. Salariand, and A. Nematie, “Surfactant-Assisted Synthesis and Characterization of Hydroxyapatite Nanorods under Hydrothermal Conditions”, Materials Science-Poland, Vol. 27, No. 4/1, 2009
17. Z. Tahmasebi-Birgani, M. Solati-Hashjin, H. Peirovi, **S. Shafiei**, A. Farzadi, A. Aminian, “Layered double hydroxide: A new ceramic-based homeostatic agent”, Advances in Bioceramics and Biotechnologies: Ceramic Transactions, V. 218, pp. 53-57, (2010).
18. M. Salarian, M. Solati-Hashjin, **S.S. Shafiei**, and A. Nemati, “Effect of Hydrothermal Temperature on the Composition and Morphology of Surfactant-Assisted Hydrothermally Synthesized Hydroxyapatite Nano Particles”, Scientific Journal of Sharif University of Technology
19. M. Salarian, M. Solati-Hashjin, A. Nemati, A. Goudarzi, **S.S. Shafiei**, and R. Salarian “Effect of Surfactant in Formation of Hydroxyapatite Nano-rods in Hydrothermal Conditions”, Iranian Journal of Pharmaceutical Sciences (IJPS), IJPS Spring 2008; 4(2): 157-162
20. M. Salarian, M. Solati-Hashjin, **S.S. Shafiei**, and A. Nemati, “Synthesis and Characterization of Dandelion-Like Hydroxyapatite via A Miclle-Directed Hydrothermal Method”, Journal of Engineering Materials (JEM)published.
21. **S.S.Shafiei**, ‘’evaluation and Criticizing book entitled: fundamental of material science and engineering ‘’ , book of the month science and technology, issue No. 10,2008
22. .**S Shafiei,** M. Solati-Hashjin, *M. Salarian, “Anionic Nanobioclay as nonviral vectors in gene therapy ”Iranian Nano Technology newsletter”, vol 7, No 135, jan2009*

**افتخارات:**

**سایر:**

**گرنتهای بین المللی / ملی:**

 حمایت از پایان نامه های ارشد و دکتری ستاد ملی نانو