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رئیس پژوهشکده فناوریها و تجهیزات پیشرفته پزشکی (AMTEI)

رئیس مرکز توسعه فناوریهای راهبردی معاونت علمی، فناوری و اقتصاد دانش بنیان رئیس جمهور

رئیس مرکز تحقیقات فناوریهای هوشمند در پزشکی (RCITM)

رئیس مرکز رشد لوازم و تجهیزات پزشکی دانشگاه علوم پزشکی تهران (ICMED)

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تاریخ تولد: ۱۳۳۶/۱۱/۱۰
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تلفن: ۰۲۱۶۶۹۰۷۵۱۷
دورنگار: ۰۲۱۶۶۵۸۱۵۳۳

تحصیلات:

۱۳۷۳ دکترای تخصصی در رشته فیزیک پزشکی، گرایش پزشکی هسته‌ای از دانشگاه Surrey انگلستان
۱۳۶۷ کارشناس ارشد فیزیک پزشکی از دانشگاه Surrey انگلستان
۱۳۶۷-۱۳۷۳ فعالیت تحقیقاتی در MRC بیمارستان Hammersmith لندن
۱۳۶۴ لیسانس فیزیک از دانشگاه کاشان

خلاصه فعالیتهای آموزشی و حرفه‌ای:

- ۱۳۹۸ تا کنون: رئیس پژوهشکده فناوری‌ها و تجهیزات پیشرفته پزشکی
- ۱۴۰۳ تا کنون: رئیس مرکز توسعه فناوریهای راهبردی معاونت علمی، فناوری و اقتصاد دانش بنیان رئیس جمهور
- ۱۳۹۳ تا کنون مسئول فیزیک بهداشت کل دانشگاه علوم پزشکی تهران
- ۱۳۷۵ تا کنون: رئیس مرکز تحقیقات فناوری‌های هوشمند در پزشکی دانشگاه علوم پزشکی تهران
- ۱۳۸۲ تا کنون: رئیس مرکز رشد لوازم و تجهیزات پیشرفته پزشکی
- ۱۳۷۶ تا ۱۳۸۳: مدیر گروه فیزیک پزشکی و مهندسی پزشکی دانشگاه علوم پزشکی تهران
- ۱۳۸۷ تا ۱۴۰۱: دبیر ستاد نانو فناوری ریاست جمهوری (INIC)
- راهنمایی و مشاوره بیش از ۱۳ پروژه دکترا و ۳۳ پروژه کارشناسی ارشد
- انتشار بیش از ۱۴۱ مقاله بین‌المللی و چاپ شده در مجلات ISI و بیش از ۵۷ خلاصه مقاله در کنگره‌های ملی و بین‌المللی
- همکاری در تألیف و ترجمه ۱۲ کتاب

مقالات چاپ شده در مجلات معتبر:

1. Evaluation of Thermal Properties of Ferromagnetic Core for Treatment of Solid Tumors by Electromagnetic Induction Hyperthermia. Elham Mohagheghpour, Shahab Sheibani, Reza Saber, Mohammad Soliemanpoor, Saeed Sarkar, Amirhossein Nezamdust, Journal of Biomedical Physics and Engineering, 2023/12. Volume: 13, P 543, 2023
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3. Leveraging deep neural networks to improve numerical and perceptual image quality in low-dose preclinical PET imaging. Mahsa Amirrashedi, Saeed Sarkar, Hojjat Mamizadeh, Hossein Ghadiri, Pardis Ghafarian, Habib Zaidi, Mohammad Reza Ay. Journal Computerized Medical Imaging and Graphics. Volume: 94, 102010, 2021.
4. The effect of magnetic field strength on the positron range and projected annihilation artifact in integrated PET/MR systems: a GATE Monte Carlo study. Sepideh Barati, Milad Enferadi, Saeed Sarkar, Parham Geramifar. The International Journal of Medical Physics Research and Practice. Volume: 48, Issue: 9, P 2473-4209, 2021.

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6. 1. 24 Years old male with abnormal Sestamibi scan. Philip Cohen, Shahram Dabiri Oskooie, H Argani, Shahab Hoda, Simin Dadparvar, K Woods, RM Mango, JC Sebatino, S Patil, Y Dou, MA Oghabian, P Kaboli, Armaghan Fard-Esfahani, Hamidreza Aghayousefi, Mohammad Eftekhari, Babak Fallahi, Mohsen Saghari, Abbas Madani, Javad Esmaili, Javad Jannati, Banafsheh Dormanesh, Fariba Akhzari, Maryam Shahidzadeh Mahani, Abbas Takavar, Mehrosadat Alavi, Mojtaba Ansari, Mohammad Hoshiari, Seyed Hossein Mortazavi, Alireza Rezaei Arjroodi, Babak Fallahi Sichani, Simin Dadashzadeh, Golahmad Nasiroghli, Ali Sattari, Gholamali Shabani, Tayebeh Hadizad, Reza Najafi, Saeed Sarkar, Akram Abehesht, Seyed Hassan Firouzabadi, Iranian Journal of Nuclear Medicine, Volume: 29, 2021.
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8. Investigation of a Hybrid Kinematic Calibration Method for the Sina Surgical Robot. Alireza Alamdar, Pouya Samandi, Shahrzad Hanifeh, Pejman Kheradmand, Alireza Mirbagheri, Farzam Farahmand, Saeed Sarkar, Pietro Valdastrì, Benjamin S Terry, IEEE Robotics and Automation Letters Volume: 5, Issue: 4, Oct. 2020.
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ثبت اختراع:

- 2025 Robotic System for tele-surgery
- Inventors: Alireza Mirbagheri, Seyed Muhammad Yazdian, Farzam Farahmand, Saeed Sarkar, Mohammad Mehdi Moradi, Alireza Alamdar, Zahra Vosough, Sajad Molla Filabi, Pezhman Kheradmand, Faramarz Karimian, Karamollah Toolabi, Mohammad Reza Hanachi
 - Application Number: US 12,213,754 B2
 - Submitted in: USA
- 2024 Controlling a laparoscopic instrument
- Inventors: Alireza Mirbagheri, Golchehr Amirkhani, Seiedmuhammad Yazdian, Farzam Farahmand, Saeed Sarkar
 - Application Number: US 12,082,901 B2
 - Submitted in: USA
- 2023 Accuracy of electromagnetic Navigation Systems
- Inventors: Samaneh Saghatchi, Mohammad Jalal Sadeghi, Alireza Ahmadian, Farzam Farahmand, Saeed Sarkar
 - Application Number: US 16/511,343
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- 2023 Robotic system for tele-surgery
- Inventors: Alireza Mirbagheri, Seyed Muhammad Yazdian, Farzam Farahmand, Saeed Sarkar, Mohammad Mehdi Moradi, Alireza Alamdar, Zahra Vosough, Sajad Molla Filabi, Pezhman Kheradmand, Faramarz Karimian, Karamollah Toolabi, Mohammad Reza Hanachi
 - Application Number: US 18/091,291
 - Submitted in: USA
- 2021 Electrochemical chlorine gas sensor and fabrication thereof
- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar
 - Application Number: US 11,199,520
 - Submitted in: USA
- 2021 Normalization of a positron emission tomography scanner
- Inventors: Mahsa Amirrashedi, Mohammad Reza Ay, Saeed Sarkar, Mohammad Hossein Farahani
 - Application Number: US 11,172,906
 - Submitted in: USA
- 2021 Altering paths of optical photons passing through a scintillator
- Inventors: Amirhossein Sanaat, Mohammad Reza Ay, Mohammad Hossein Farahani, Saeed Sarkar
 - Application Number: US 11,150,360
 - Submitted in: USA
- 2021 Location tacking on a surface
- Inventors: Saeed Alikhani, Mohammad Jalal Sadeghi, Alireza Ahmadian, Farzam Farahmand, Saeed Sarkar
 - Application Number: US 10,952,798
 - Submitted in: USA
- 2020 Fabrication of nanomotors and applications thereof for surface writing
- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar
 - Application Number: US 10,865,105
 - Submitted in: USA
- 2020 Single photon emission computed tomography imaging with a spinning parallel-slat collimator
- Inventors: Hojjat Mahani, Mohammad Reza Ay, Saeed Sarkar, Mohammad Hossein Farahani
 - Application Number: US 10/795,033

- Submitted in: USA
- 2020 Peak detection in a two dimensional image
- Inventors: Navid Zeraatkar, Salar Sajedi Toighoun, Mohsen Taheri Parkoohi, Mohammad Reza Ay, Mohammad Hossein Farahani, Saeed Sarkar
 - Application Number: US 15829808
 - Submitted in: USA
- 2020 Nanomotors for Reduction of Nitroarenes
- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar
 - Application Number: US 10,759,684 B2
 - Submitted in: USA
- 2020 Controlling Laparoscopic Instrument
- Inventors: Alireza Mirbagheri, Golchehr Amirkhani, Seiedmuhammad Yazdian, Farzam Farahmand, Saeed Sarkar
 - Application Number: US 16/832,439
 - Submitted in: USA
- 2020 Normalization of a Positron Emission Tomography Scanner.
- Inventors: Mahsa Amirrashedi, Mohammad Reza Ay, Saeed Sarkar, Mohammad Hossein Farahani
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 - Submitted in: USA
- 2020 Fabrication of nanomotors and applications thereof.
- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar
 - Application Number: US 10,576,320
 - Submitted in: USA
- 2020 Robotic guide for brain biopsy
- Inventors: Mohammad Akbar, Amirhossein Ahmadian, Mohammad Jalal Sadeghi, Alireza Ahmadian, Farzam Farahmand, Saeed Sarkar
 - Application Number: 10,555,784
 - Submitted in: USA
- 2019 Altering paths of optical photons passing through a scintillator
- Inventors: Amirhossein Sanaat, Mohammad Reza Ay, Mohammad Hossein Farahani, Saeed Sarkar
 - Application Number: US 16/533,820
 - Submitted in: USA
- 2019 ACCURACY OF ELECTROMAGNETIC NAVIGATION SYSTEMS
- Inventors: Saghatchi Samaneh, Hasani Bidgoli Javad, Sadeghi Mohammad Jalal, Ahmadian Alireza, Farahmand Farzam, Sarkar Saeed
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- 2019 Nanomotors for reduction of nitroarenes
- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar,
 - Application Number: US 16/175, 107
 - Submitted in: USA
- 2018 Surgical instrument
- Inventors: Dariush Nazarinasab, Mohammad Jalal Sadeghi, Alireza Ahmadian, Farzam Farahmand, Saeed Sarkar
 - Application Number: 29/582,903
 - Submitted in: USA
- 2018 NAVIGATING AN IMAGING INSTRUMENT IN A BRANCHED STRUCTURE
- Inventors: Samaneh Saghatchi, Javad Hasani bidgoli, Mohammad Jalal Sadeghi, Alireza Ahmadian, Farzam Farahmand, Saeed Sarkar
 - Application Number: 15/986,724
 - Submitted in: USA
- 2018 SINGLE PHOTON EMISSION COMPUTED TOMOGRAPHY IMAGING WITH A SPINNING PARALLEL- SLAT COLLIMATOR
- Inventors: Hojjat Mahani, Mohammad Reza Ay, Saeed Sarkar, Mohammad Hossein Farahani
 - Application Number: 15/920,426
 - Submitted in: USA
- 2018 LOCATION TRACKING ON A SURFACE
- Inventors: Saeed Alikhani, Hasani bidgoli, Mohammad Jalal Sadeghi, Alireza Ahmadian, Farzam Farahmand, Saeed Sarkar
 - Application Number: 15/894,459
 - Submitted in: USA
- 2018 DEVICE FOR BRAIN BIOPSY
- Inventors: Javad Hasani bidgoli, Amirhossein Ahmadian, Mohammad Jalal Sadeghi, Alireza Ahmadian, Farzam Farahmand, Saeed Sarkar
 - Application Number: 15/854,442
 - Submitted in: USA
- 2018 ROBOTIC SYSTEM FOR SPECT IMAGING
- Inventors: Mohammad Reza Ay, Mohammad Hossein Farahani, Saeed Sarkar, Behnoosh Teimourian Fard, Salar Sajedi Toighoun, Sanaz Kaviani
 - Application Number: 9/986,960
 - Submitted in: USA
- 2018 ROBOTIC GUIDE FOR BRAIN BIOPSY

- Inventors: Mohammad Akbar, Seyed Mohammad Javad Mortazavi Ashkezari, Javad Hasani bidgoli, Amirhossein Ahmadian, Mohammad Jalal Sadeghi, Alireza Ahmadian, Farzam Farahmand, Saeed Sarkar
- Application Number: 15/829,791
- Submitted in: USA

2018 POSITRON RANGE REDUCTION IN POSITRON EMISSION TOMOGRAPHY IMAGING

- Inventors: Hojjat Mahanim, Mustafa Abbasi, Mohammad Reza Ay, Saeed Sarkar, Mohammad Hossein Farahani
- Application Number: 15/847,809
- Submitted in: USA

2018 PEAK DETECTION IN A TWO DIMENSIONAL IMAGE

- Inventors: Navid Zeraatkar, Sajedi Toighoun, Taheri Parkoohi, Mohammad Reza Ay, Mohammad Hossein Farahani, Saeed Sarkar
- Application Number: 15/829,808
- Submitted in: USA

2018 METHODS AND BIOSENSORS FOR TUMOR DETECTION

- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar,
- Application Number: US 15/818, 767
- Submitted in: USA

2018 Fabrication of nanomotors and applications thereof surface writing

- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar,
- Application Number: US 15/866, 485
- Submitted in: USA

2018 Fabrication of nanomotors and applications thereof

- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar,
- Application Number: US 15/866, 480
- Submitted in: USA

2017 COMPACT CARDIAC SPECT SCANNER WITH SPINNING PARALLEL-SLAT COLLIMATOR

- Inventors: Hojjat Mahanim, Mohammad Reza Ay, Saeed Sarkar, Mohammad Hossein Farahani
- Application Number: 62/470,363
- Submitted in: USA

2017 ELECTROCHEMICAL CHLORINE GAS SENSOR AND FABRICATION THEREOF

- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar,
 - Application Number: US 62/375,910
 - Submitted in: USA
- 2017 FABRICATION OF SMALL AND COST-EFFECTIVE NANOROD-SHAPED MOTOR AND APPLICATIONS THEREOF FOR SENSING VEGF₁₆₅ TUMOR MARKER,
- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar,
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- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar,
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- 2017 FABRICATION OF SMALL AND COST-EFFECTIVE NANOROD-SHAPED MOTOR AND APPLICATIONS THEREOF FOR DECONTAMINATION OF PARAOXON-METHYL,
- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar,
 - Application Number: US 62/475,829
 - Submitted in: USA
- 2016 Western blot kid for detection of vaccinated poultry
- Rasool Madani, Seyed Mahdi Rezayat, Saeed Sarkar, Tara Emami.
 - Application Number: 13636713
 - US Patent: 9,395, 362
 - Submitted in: USA
- 2016 REDUCTION OF POSITRON RANGE IN HIGH-RESOLUTION PET IMAGING
- Inventors: Hojjat Mahanim, Mustafa Abbasi, Mohammad Reza Ay, Saeed Sarkar, Mohammad Hossein Farahani
 - Application Number: 62/435,877
 - Submitted in: USA
- 2016 AUTOMATIC 2D PEAK DETECTION FOR CALIBRATION OF GAMMA DETECTOR BLOCK IMAGES
- Inventors: Navid Zeraatkar, Salar Sajedi Toighoun, Mohsen Taheri Parkoohi, Mohammad Reza Ay, Mohammad Hossein Farahani, Saeed Sarkar
 - Application Number: 62/429,763
 - Submitted in: USA

- 2016 ROBOTIC SYSTEM FOR SPECT IMAGING
- Inventors: Mohammad Reza Ay, Mohammad Hossein Farahani, Saeed Sarkar, Behnoosh Teimourian Fard, Salar Sajedi Toighoun, Sanaz Kaviani
 - Application Number: 15/099,015
 - Submitted in: USA
- 2016 ELECTROCHEMICAL CHLORINE GAS SENSOR AND FABRICATION THEREOF,
- Inventors: Mahmoud Amouzadeh Tabrizi, Mojtaba Shamsipur, Reza Saber, Saeed Sarkar,
 - Application Number: US 62/375,910
 - Submitted in: USA
- 2016 Desktop open-gantry spect imaging system
- Inventors: Navid Zeraatkar, Mohammad Hossein Farahani, Mohammad Reza Ay, Saeed Sarkar
 - Application Number: US 20160116604 A1
 - Submitted in: USA
 - <http://www.freshpatents.com/-dt20160428ptan20160116604>.
- 2015 Fluorescence molecular tomography system for small animal imaging
- Sedigheh Marjaneh Hejazi, Mohammad Ali Oghabian, Reza Massoudi, Hanieh Mohammadreza, Saeed Sarkar,
 - Application Number: 29/527,560
 - Submitted in: Europe, Iran.
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- 2015 Electro spun nanofibrous wound dressing and a method of synthesizing the same.
- Mirzaei, Esmaeil, Majidi, Reza Faridi, Sarkar, Saeed, Rezayat, Seyed Mehdi.
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- Mirzaei, Esmaeil, Majidi, Reza Faridi, Sarkar, Saeed, Rezayat, Seyed Mehdi.
 - Application Number: US 20130150763 A1
 - Submitted in: USA

- 2013 Nonlinear recursive filter for medical image processing
- Inventors: Mohammad Hossein Farahani, Salar Sajedi Toighoun, Mohammad Reza Ay, Saeed Sarkar
 - Patent Number: 8503748
 - Application Number: 13196664
 - Submitted in: USA
 - <https://www.google.com/patents/US8503748>
 - <https://www.google.com/patents/US20120027274>
- 2013 Western Blot Kit for Detection of Vaccinated Poultryaanm
- Inventors: Rasool Madani, Seyed Mahdi Rezayat, Saeed Sarkar, Tara Emami
 - Patent application number: US20130017536 A1
 - Submitted in: USA
 - <http://www.google.com/patents/US20130017536>
- 2013 A western blot kit for detection of vaccinated poultry
- Inventors: Rasool Madani, Seyed Mahdi Rezayat, Saeed Sarkar, Tara Emami
 - Patent application number: WO2012052047 A1
 - Europe
 - <http://www.google.com/patents/WO2012052047A1>
- 2013 Electro Spun Nanofibrous Wound Dressing And A Method Of Synthesizing The Same
- Inventors: Esmaeil Mirzaei, Reza Faridi Majidi, Saeed Sarkar, Seyed Mehdi Rezayat
 - Patent application number: US20130150763
 - Submitted in: USA
 - <http://www.google.com/patents/US20130150763>
- 2012 Platform connector
- Inventors: Reza Saber, Saeed Sarkar
 - Patent application number: US D659639 S1
 - Submitted in: USA
 - https://www.lens.org/images/patent/US/D659639/S1/US_D659639_S1.pdf
- 2012 Conducting tip connector
- Inventors: Reza Saber, Saeed Sarkar
 - Patent application number: 29/377,633
 - Submitted in: USA
 - https://www.lens.org/images/patent/US/D664929/S1/US_D664929_S1.pdf
- 2012 NONLINEAR RECURSIVE FILTER FOR MEDICAL IMAGE PROCESSING

- Inventors: Mohammad Hossein Farahani, Salar Sajedi Toighoun, Mohammad Reza Ay, Saeed Sarkar
 - Application Number: 13/196,664
 - Submitted in: USA
- 2012 A western blot kit for detection of vaccinated poultry
- Inventors: Tara Emami, Rasool Madani, Seyed Mahdi Rezayat, Saeed Sarkar
 - Patent application number: US20130017536, WO2012052047 A1
 - Submitted in: USA, Europe
 - <http://www.google.com/patents/US20130017536>
- 2011 Water soluble compounds
- Inventors: Saeed Sarkar, Seyed Mahdi Rezayat, Anatoly Leonidovich Buchachenko, Dmitry Anatolevich Kuznetsov, Marina Alexeyevna Orlova, Marina Abramovna Yurovskaya, Igor Viktorovich Trushkov
 - Patent Number: 78,879,996
 - Application Number: 12123285
 - Submitted in: USA
 - https://www.lens.org/images/patent/US/7879996/B2/US_7879996_B2.pdf
- 2011 Electro spun nanofibrous wound dressing and a method of synthesizing the same
- Inventors: Esmaeil Mirzaei, Reza Faridi Majidi, Saeed Sarkar, Seyed Mehdi Rezayat
 - Patent application number: US 9101508 B2, US 20130150763 A1
 - Submitted in: USA
 - <https://www.google.com/patents/US20130150763>
 - <https://www.google.com/patents/US9101508>
- 2011 2-([60] Fullerene [1',9':3,4] Cyclohexen-1-Y1)-5,10,15,20-(Tetra Magnesium [(4-(N-(4-Carboxy Butyl) Amino) Phenyl 2,3-Dicarboxylate)]) Porphyrin Iron (II); Prepared By Linking A Fullerene To A Porphyrin Compound, Preferably With Electromagnetic Or Sonic Waves
- Inventors: Saeed Sarkar, Seyed Mahdi Rezayat, Anatoly Leonidovich Buchachenko, Dmitry Anatolevich Kuznetsov, Marina Alexeyevna Orlova, Marina Abramovna Yurovskaya, Igor Viktorovich Trushkov,
 - Patent application number: US7879996 B2
 - Submitted in: USA
- 2011 Piezomotor Connector
- Inventors: Reza Saber, Saeed Sarkar
 - Patent application number: US D639737 S1, US 29/377,634
 - Submitted in: USA
 - https://www.lens.org/images/patent/US/D639737/S1/US_D639737_S1.pdf

- 2008 Use Of A Magnesium Isotope For Treating Hypoxia And A Medicament Comprising The Same
- Inventors: Saeed Sarkar, Seyed Mahdi Rezayat, Anatoly Leonidovich Buchachenko, Dmitry Anatolevich Kuznetsov, Marina Alexeyevna Orlova, Marina Abramovna Yurovskaya, Igor Viktorovich Trushkov
 - Patent application number: US 20080317876 A1, EP 1992339 A1, CN 101310721 A,
 - Submitted in: USA, Europe, China, India
 - <https://www.google.com/patents/EP1992339A1?cl=en&dq=ininventor:%22Saeed+Sarkar%22&hl=en&sa=X&ved=0ahUKEwjpxOrooLjMAhULM8AKHYXvBE8Q6AEIXjAJ>
- 2008 New Water Soluble Porphylleren Compounds
- Inventors: Saeed Sarkar, Seyed Mahdi Rezayat, Anatoly Leonidovich Buchachenko, Dmitry Anatolevich Kuznetsov, Marina Alexeyevna Orlova, Marina Abramovna Yurovskaya, Igor Viktorovich Trushkov
 - Patent application number: US 20080319187 A1, EP1992627A1, CN101307055A
 - Submitted in: USA, Europe, China, India
- 2007 STM
- Inventors: Reza Saber, Saeed Sarkar
 - Patent application number:
 - Submitted in: Iran
- 2004 Industrial CT scanner
- Inventors: Saeed Sarkar
 - Patent application number:
 - Submitted in: Iran

پروژه‌های منتخب و برتر ملی (تحت عنوان مجری پروژه):

- Intelligent Surgical Navigation System
- Scanning Tunneling Microscope (STM)"
- Atomic Force Microscope (AFM)
- Hand held Gamma Camera
- Animal Single Photon Emission Computed Tomography (Animal SPECT)
- Florescent Molecular Tomography using Quantum dots

عضو هیئت تحریریه مجلات:

ACTA Medica Iranica Journal,

۱۳۷۹ تا کنون

Iranian Journal of Medical Physics	۱۳۸۱ تا کنون
Iranian Journal of Radiation Research	۱۳۸۱ تا کنون
Iranian Journal of Nuclear Medicine	۱۳۸۱ تا کنون
Iranian Journal of Radiology	۱۳۸۱-۱۳۸۹
ACTA Medica Iranica journal	۱۳۸۱-۱۳۸۹
Journal of Frontiers in Biomedical Technologies (FBT)	۱۳۹۱ تا کنون

عضویت در مؤسسات و انجمن‌های علمی:

عضو کمیته همکاریهای دانشگاه و صنعت دانشگاه علوم پزشکی تهران	۱۳۸۳ تا کنون:
عضو کمیته تحقیقات و فناوریهای نوین در علوم پزشکی	
دبیر کمیته نانو فناوری پزشکی	۱۳۸۴ تا کنون:
عضو کمیته تخصصی فناوری معاونت تحقیقات و فناوری وزارت بهداشت، درمان و آموزش پزشکی	۱۳۸۵ تا کنون:
عضو کمیته ثبت اختراع و ابداع دانشگاه	۱۳۸۵ تا کنون:
عضو گروه آموزشی نانو تکنولوژی پزشکی مستقر در دانشکده فناوریهای نوین علوم پزشکی	۱۳۸۶ تا کنون:
عضو هیئت امنا دانشگاه علوم پزشکی کاشان	۱۳۸۷ تا کنون:

راهنمایی و یا مشاوره پروژه دانشجویی (دکتر):

۱. تخمین کمی سه بعدی پرتوژی با استفاده از تصاویر پزشکی هسته‌ای، مطالعات مونت کارلو و فانتوم، ۱۳۷۹، نگارنده:
۲. توسعه و بهینه‌سازی کولیماتورهای با بازدهی بالا جهت تصویربرداری فوتونهای پر انرژی در پزشکی هسته‌ای با بهره‌گیری از روشهای شبیه‌سازی مونت کارلو MCNP، ۱۳۸۳، نگارنده: علیرضا کمالی اصل
۳. مدل‌سازی سیستم توموگرافی کامپیوتری به روش مونت کارلو: کاربرد در بررسی روش تصحیح تضعیف با استفاده از تصاویر CT در سیستم‌های PET/CT، ۱۳۸۴، نگارنده: محمدرضا آی
۴. طراحی یک سیستم جدید PEM با روش مونت کارلو، ۱۳۸۴، نگارنده: علیرضا کریمیان
۵. بررسی تأثیر لیزر کم توان هلیوم- نئون (۶۲۳/۸nm و ۴J/cm²) بر میزان ترشح سایتوکاینهای مؤثر بر پس زدن مزمن پیوند (IL2, IL10, IL12) در محیط کاشت (invitro)، ۱۳۸۷، نگارنده: میترا افشار پاد
۶. ارزیابی پارامترهای تأثیرگذار در ایجاد کنتراست بهینه در تصویربرداری MR حاصل از نانوذرات سوپرمغناطیس اکسید آهن، ۱۳۸۸، نگارنده: ناهید قره آغاجی
۷. دزیمتری سه بعدی بافت هدف و ارگانهای مجاور با استفاده از تصاویر پزشکی هسته‌ای به روش مونت کارلو، ۱۳۹۱، نگارنده: الهام سعیدزاده
۸. سنتز نانوذرات مزومتخلخل حاوی داروی سیس پلاتین و بررسی اثرات ضد توموری به صورت برون‌تنی در سلولهای کولون کارسینوما C26 و درون‌تنی در موشهای مدل، ۱۳۹۵، نگارنده: زهره جمعه فرسنگی
۹. تهیه و ارزیابی اثر نانو ذرات سوپراپارامغناطیس اکسید آهن متصل شده به بمبزمین در تشخیص تومورهای سرطان پستان در تصویربرداری تشدید مغناطیسی و توموگرافی گسیل پوزیترون، ۱۳۹۶، نگارنده: افسانه لاهوتی
۱۰. بررسی حضور نانوکپلکس تشخیصی بر پایه نانوذرات طلا متصل به اسیدفولیک در سلولهای تومورال نازوفارنژیال انسانی با استفاده از سی‌تی‌اسکن در انرژی ملکولی، ۱۳۹۶، نگارنده: سارا خادمی
۱۱. بررسی اثرات هایپرترمی مغناطیسی با استفاده از نانوذرات اکسید آهن متصل به دندریمر PAMAM بر سلولهای سرطانی در محیط کشت و مدل حیوانی سرطان پستان، ۱۳۹۷، نگارنده: مرضیه سلیمی.
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راهنمایی و با مشاوره پروژه دانشجویی (کارشناسی ارشد)

۱. تصویربرداری حرارتی با استفاده از حسگرهای الکتریکی، ۱۳۷۵، نگارنده: ابوالحسن صابری
۲. بررسی تأثیر و تصحیح پراکندگی فوتونی در تصویربرداری رادیوایزوتوپیک با دوربین گاما و SPECT، ۱۳۷۶، نگارنده: امیر موافقی
۳. کنترل کیفی دستگاه SPECT، ۱۳۷۶-۱۳۷۷، نگارنده: ولی شهبان
۴. اندازه‌گیری و بهینه‌سازی فاکتورهای فیزیکی تصویر در سیستم تصویربرداری حرارتی تماسی با حسگرهای الکتریکی، ۷۶-۷۷، نگارنده:
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۶. تهیه تصویر سه بعدی از برشهای دو بعدی دستگاه اولتراسوند، ۷۸-۷۹، نگارنده:
۷. اندازه‌گیری و بررسی میزان دز دریافتی توسط افراد هم‌خانه با بیماران ید درمانی ترخیص شده، ۱۳۷۹، نگارنده: مهسا دهقانپور
۸. نرم‌افزار طراحی حفاظ و توزیع گرافیکی دز برای تأسیسات X-ray تشخیصی، ۱۳۸۰، نگارنده: سید علی رحیمی
۹. آشکارسازی و اصلاح عیب حرکتی در تصویربرداری صفحه‌ای پزشکی هسته‌ای، ۱۳۸۰، نگارنده: علیرضا محمدپور زه آب
۱۰. طراحی و ساخت یک سیستم تصویربرداری حرارتی دینامیک با رزولوشن بالا با استفاده از سنسورهای ترموالکتریک، ۱۳۸۱، نگارنده: سیدرضا آل نبی
۱۱. بررسی تجربی و مدل‌سازی جذب لیزر ND:YAG در بافت نرم انسانی، ۱۳۸۱، نگارنده: محمدرضا علینقی‌زاده
۱۲. تعیین دز آستانه برای از بین بردن میکروارگانسیم‌های موجود در آب دریای خلیج فارس و شبیه‌سازی توزیع دز آن، ۱۳۸۱-۱۳۸۲، نگارنده: لیلا سبحانی
۱۳. امکان‌سنجی مقطع‌نگاری حرارتی به روش حسگرهای تماسی، ۸۱-۸۲، نگارنده:
۱۴. مدل‌سازی انتشار پرتوهای گامای نشری از چشمه کبالت ۶۰ در آبهای ساحلی جزیره سیری، ۱۳۸۱-۱۳۸۲، نگارنده: تلی ابراهیمی پور فائز
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۱۹. ارزیابی کمی پراکندگی پرتوها در کریستالهای سیستم PET بصورت تابعی از جنس و سایز کریستال به روش مونت کارلو، ۱۳۸۶، نگارنده: سارا لشکری
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۲۵. طراحی و ارزیابی عملکرد سیستم آشکارسازی دوربین گاما مخصوص حیوانات کوچک بر مبنای کریستالهای پیکسل‌بنی شده با استفاده از شبیه‌سازی مونت کارلو، ۱۳۸۹، نگارنده: فرزانه ادیب‌پور
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۳۳. بهبود دقت روش بازسازی تصاویر برش‌نگاری فلورسنت ملکولی با استفاده از ماتریس رگولاریزیشن مبتنی بر اطلاعات ساختاری، ۹۴، نگارنده: زیبا دره زرشکی