



**Mojtaba Salouti**  
Ph.D of Medical Physics  
(Radiopharmacy)

**PERSONAL INFORMATION:**

**Name:** Mojtaba Salouti    **Birth Date & Place:** ۱۹۶۷, Tehran, Iran

**Marital:** Married, Two childs

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**EDUCATIONAL RECORDS:**

۱- **BS.c** in Radiology, Iran University of Medical Sciences, ۱۹۹۴

۲- **MS.c** in Medical Physics (Nuclear Medicine), Tarbiat Modares University, ۱۹۹۸

۳- **Ph.D** in Medical Physics (Radiopharmacy), Tarbiat Modares University, ۲۰۰۶

۴- **Credit** certification of **English** language from Cavendish College, London, England, ۲۰۰۴

**PROFESSIONAL AND ACADEMIC/SCIENTIFIC EXPERIENCES:**

**Lecturer in:**

۱- Medical Sciences University of Zanjan, Medical Biochemistry Dept. (MSc), Radioisotopes and their Applications in Diagnosis and Treatment, since ۲۰۰۷

۱- Medical and Dentistry Depts. (MD), Shahed University, Medical Physics, ۲۰۰۰-۲۰۰۶

۲- Immunology and Medical Physics Depts., Tarbiat Modares University, Biophysics, ۲۰۰۲-۲۰۰۶

۳- Microbiology and Laboratory Animal Sciences Depts., Islamic Azad University of Zanjan, Biochemistry Physics, Biophysics and Radiobiology, since ۱۹۹۸

۴- Radiology, Laboratory Sciences and Operation Room Depts., Medical Sciences University of Zanjan, Radiobiology, Radiation Physics, Medical Physics, Applied Physics, since ۱۹۹۸

**MEMBERSHIP OF SCIENTIFIC SOCIETIES/BOARDS:**

۱- Member of Iranian Medical Physics Society, Since ۱۹۹۹

۲- Member of Iranian Nuclear Society, Since ۲۰۰۰

۳- Member of Iranian Society of Radiation Protection, Since ۲۰۰۰

- ξ- Member of the scientific board of the 1st National Student Congress of Microbiology, Azad University of Zanjan, 20 September, 2003, Zanjan
- ο- Member of the scientific board of the 1st National Summit on Improving Criteria for Selection and Purchase of Medical Equipments, 8 October 2004, Tehran
- ζ- Member of the scientific board of the 3rd National Scientific Congress of Iranain Radiation Sciences Association (IRSA), 19 January 2006, Tehran
- γ- Member of the scientific board of the Promotion of Crisis Mnagement in Disasters, 20-21 August 2006, Zanjan
- λ- Member of the scientific board of the 4th National Scientific Congress of Iranain Radiation Sciences Association (IRSA), 18 January 2007, Tehran
- θ- Member of the scientific board of the 5th National Scientific Congress of Iranain Radiation Sciences Association (IRSA), 1 November 2007, Tehran
- ι- Member of the scientific board of the 6th National Scientific Congress of Iranain Radiation Sciences Association (IRSA), 20-26 April 2008, Shiraz
- ϋ- Member of the scientific committee of the 1th MEFOMP International Conference of Medical Physics, October 26 – 28, 2011, Shiraz, Iran

#### **Member of Editorial Board of International and National Journals:**

- 1- American-Eurasian Journal of Toxicological Sciences (AEJTS), ISI Indexed
- 2- International Journal of Medicine and Medical Sciences (IJMMS)
- 3- Medical & Laboratory Sciences Engineering Journal

#### **REFEREE FOR JOURNAL ARTICLES SUBMITTED TO (International And National):**

- 1- International Journal of Medicine and Medical Sciences (IJMMS)
- 2- Medical & Laboratory Sciences Engineering Journal
- 3- Journal of Medical Sciences University of Zanjan
- ξ- Journal of Medical Sciences University of Kashan (Feiz)
- ο- The Quarterly Journal of Biological Sciences

#### **PROFESSIONAL EXPERIENCE:**

- 1- Head of Faculty of Sciences, Islamic Azad University-Zanjan Branch, since 2008
- 2- Head of Research Dept. in Educational Committee of Khatam-ul-Anbia Hospital since 2001
- 3- Member of Research Committee of Islamic Azad University, Zanjan Branch, since 2007
- ξ- English and Scientific Editor of “The Quarterly Journal of Biological Sciences”, since 2007

#### **JOURNAL PAPERS (ISI Indexed):**

- 1- [M. Salouti](#), H. Rajabi, M. H. Babaei, M. J. Rasaei, R. Najafi, M. Paknejad, Z. Mohammad Hasan, T. M. Altarihi, J. Mohammad nejad. A New Monoclonal Antibody

Radiopharmaceutical for Radioimmunosintigraphy of Breast Cancer: Direct Labeling of Antibody and Its Quality Control, DARU ۲۰۰۶; ۱۴(۱): ۱۴-۱۹

۲- A. R. Jalilian, M. Akhlaghi, B. Shirazi, R. Abouzadeh, G. Raisali, [M. Salouti](#), M. H. Babaei. [ $^{125}\text{I}$ ](iii)-bleomycin for tumor imaging, Radiochim. Acta ۲۰۰۶; ۹۴: ۴۵۳-۴۵۹

۳- Amir R. Jalilian, Reza Aboudzadeh, Mehdi Akhlaghi, Behrooz Shirazi, Sedighe Mradkhani, [Mojtaba Salouti](#), Alireza Karimian, Mohammad H. Babaii, Gholamreza Raisali. Production and biological evaluation of [ $^{125}\text{I}$ ](III)]bleomycin. Journal of Labelled Compounds and Radiopharmaceuticals ۲۰۰۷, ۵۰: ۵۵۶-۵۵۷.

۴- [M. Salouti](#), H. Rajabi, M. H. Babaei, M. J. Rasaei. Breast Tumor Targeting with  $^{99\text{m}}\text{Tc}$ -HYNIC-PR $_{81}$  Complex as a New Biologic Radiopharmaceutical. Nuclear Medicine and Biology ۲۰۰۸; ۳۵: ۷۶۳-۷۶۸

۵- F. Saghatchi, [M. Salouti](#), A. Eslami. Assessment of Annual Effective Dose Due to Natural Gamma Radiation in Zanjan (Iran). Radiation Protection Dosimetry ۲۰۰۸; ۱۳۲(۳): ۳۴۶-۳۴۹

۶- S. Rasaneh, H. Rajabi, M. H. Babaei, F. Johari Daha, [M. Salouti](#). Radiolabeling of trastuzumab with  $^{177}\text{Lu}$  via DOTA, a new radiopharmaceutical for radioimmunotherapy of breast cancer. Nuclear Medicine and Biology ۲۰۰۹; ۳۶: ۳۶۳-۳۶۹

۷- F. Saghatchi, [M. Salouti](#), A. Eslami, A. Sharafi. Natural Radioactivity Levels of  $^{226}\text{Ra}$  and  $^{40}\text{K}$  in Soil of Zanjan Province, Iran. Radiation Protection Dosimetry ۲۰۱۰; ۱۱-۴.

۸- Javad Mohammadnejad, Mohammad Javad Rasaei, Mohammad Hosein Babaei, Malihe Paknejad, Zahir Mohammad Hasan, [Mojtaba Salouti](#), Mostafa Gandomkar, Keyvan Sadri. Radioimmunotherapy of MCF۷ breast cancer cell line with  $^{131}\text{I}$ -PR $_{81}$  monoclonal antibody against MUC۱: Comparison of direct and indirect radioiodination methods. Human Antibodies ۲۰۱۰; ۱۹: ۱۵-۲۵

۹- Javad Mohammadnejad, Mohammad Javad Rasaei, Mohammad Hosein Babaei, Malihe Paknejad, Zahir Mohammad Hasan, [Mojtaba Salouti](#), Rajabi A. B., Mazidi M. A new radiopharmaceutical compound ( $^{131}\text{I}$ -PR $_{81}$ ) for radioimmunotherapy of breast cancer: Labeling of antibody and its quality control. Human Antibodies ۲۰۱۰; ۱۹ (۴): ۷۹-۸۸  
۱۰- [Mojtaba Salouti](#), Mohammad Hossein Babaei, Hossein Rajabi, Haleh Foroutan, Mohammad Javad Rasaei, Ahmad Bitarafan Rajabi, Javad Mohammadnejad, Mohammad Shafiee, Mohammad Mazidi, Fariba Johari Daha. Comparison of  $^{99\text{m}}\text{Tc}$  labeled PR $_{81}$  and its F(ab') $_2$  fragments as radioimmunosintigraphy agents for breast cancer imaging. Ann Nucl Med ۲۰۱۱; ۲۵(۲): ۸۷-۹۲.

۱۱- [Mojtaba Salouti](#), Mohammad Hossein Babaei, Hossein Rajabi, Mohammad Javad Rasaee. Preparation and biological evaluation of  $^{177}\text{Lu}$  conjugated PR $\lambda$  for radioimmunotherapy of breast cancer. Nuclear Medicine and Biology ۲۰۱۱, In press

#### LIST OF PRINTED ABSTRACTS AND PRESENTED PAPERS IN INTERNATIONAL CONGRESSES AND SYMPOSIUMS:

۱- F. Saghatchi, [M. Salouti](#), A. Sharafi, H. Rajabi, M. H. Babaei, M. Mehrasbi, M. Rahnama. A Study of Radioactive Contamination at the Nuclear Medicine Centers in Tehran, EANM'۰۰- Annual Congress of the European Association of Nuclear Medicine, October ۱۰-۱۹, ۲۰۰۰, Istanbul/Turkey

۲- [M. Salouti](#), H. Rajabi, M. H. Babaei, M. J. Rasaei, M. Shafiee, M. Mazidi, Z. M. Hasan, M. Rahnama, M. Paknejad. An Anti-MUC $\lambda$  Monoclonal Antibody for Radioimmunoscintigraphy of Breast Cancer: Indirect Labeling of Antibody with  $^{99\text{m}}\text{Tc}$  via the HYNIC; *In vitro* and *In vivo* Studies of the New Radiopharmaceutical, International Symposium on Trends in Radiopharmaceuticals (ISTR-۲۰۰۰), November ۱۴-۱۸, ۲۰۰۰, Vienna, Austria (IAEA)

۳- H. Moladoust, M. Mokhtari, Z. Ojaghi, F. Noohi, R. Jalalian, H. Grailu. [M. Salouti](#), A. Khaledifer. Evaluation of Regional Displacement in Myocardium Muscle During Heart Cycle Based on TDE Image Processing. World Congress on Medical Physics and Biomedical Engineering ۲۰۰۶ (WC ۲۰۰۶), Aug. ۲۷ to Sep. ۱, ۲۰۰۶, Seoul, Korea.

۴- A.R. Jalilian, R. Aboudzade, M. Akhlaghi, B. Shirazi, S. Moradkhani, [M. Salouti](#), A. Karimian, M. Babaei, G. Raisali. Production and Biological Evaluation of [ $^{111}\text{Tl}$ ] (III) Bleomycin. ۹<sup>th</sup> International Symposium on the Synthesis and Applications of Isotopes and Isotopically Labelled compounds. July ۱۶-۲۰, ۲۰۰۶, Edinburgh, England.

۵- F. Saghatchi, [M. Salouti](#), M.T. Bahreini. The Quality Control of x-ray Machines in Hospitals of Medical Sciences University of Zanjan. International Conference on Quality Assurance and New Techniques in Radiation Medicine [QANTRM]. November ۱۳-۱۵, ۲۰۰۶, Vienna, Austria

۶- [M. Salouti](#), H. Rajabi, M.H. Babaei, M.J. Rasaee, Z.M. Hasan. A Potential Radiopharmaceutical for Imaging of Breast Cancer: Indirect Radiolabeling of a New Anti-MUC $\lambda$  Monoclonal Antibody and its Quality Control. ۱۷<sup>th</sup> International Symposium on Radiopharmaceutical Sciences. ۳۰ April- ۴ May ۲۰۰۷, Aachen, Germany

۷- A.R. Jalilian, P. Rowshanfarzad, M. Akhlaghi, [M. Salouti](#), M. Sabet. Preparation and Evaluation of  $^{60}\text{Co}$ - $\gamma$ -Acetylpyridine Thiosemicarbazone Complex For PET Tumor Imaging. ۱۷<sup>th</sup> International Symposium on Radiopharmaceutical Sciences. ۳۰ April- ۴ May ۲۰۰۷, Aachen, Germany

۸- [M. Salouti](#), H. Rajabi, M.H. Babaei, M.J. Rasaee, F. Saghatchi.  $^{99\text{m}}\text{Tc}$  Direct labeling of a new anti-MUC $\lambda$  Monoclonal Antibody, PR $\lambda$ , as a potential agent for imaging of a human breast cancer in nuclear medicine, ۷<sup>th</sup> international conference on nuclear and radiochemistry, August ۲۴-۲۹, ۲۰۰۸, Budapest, Hungary

9- **M. Salouti**, H. Rajabi, M.H. Babaei, M.J. Rasae, F. Saghatchi. Estimating Tumor/non-Tumor Uptake From Radiolabeled Monoclonal Antibodies, Based on Scintigraphic Imaging to Avoid Killing the Animal Models. 7<sup>th</sup> international conference on nuclear and radiochemistry, August 24-29, 2008, Budapest, Hungary

10- **M. Salouti**, M. H. Babaei, H. Rajabi, M. J. Rasae, , F. Johari Daha, H. Forootan, J. Mohammadnejad, A. Bitarafan, M. Shafiee. A New Biologic Radiopharmaceutical for Targeted Therapy of Breast Cancer: <sup>177</sup>Lu Labeling of Mab PR<sup>1</sup> and Quality Control. International Conference on Advances in Radiation Oncology, April 27-29, 2009, Vienna, Austria

11- **M. Salouti**, H. Rajabi, M.H. Babaei, M.J. Rasae, F. Saghatchi. A New Method to Estimate Tumor/non-Tumor Uptake Based on Scitigraphic Imaging to Avoid Killing the Animal Models. 8<sup>th</sup> international conference on Imaging Technologies in Biomedical Sciences, September 13-16, 2009, Milos Island, Greece

Greece

12- **M. Salouti**, M. H. Babaei, H. Rajabi, H. Forootan, M. J. Rasae, A. Bitarafan, M. Shafiee, M. Mazidi, F. Johari Daha. Comparison of Breast Tumor Imaging with <sup>99m</sup>Tc Rdiolabeled PR<sup>1</sup> and its F(ab')<sub>2</sub> Fragment. 8<sup>th</sup> international conference on Imaging Technologies in Biomedical Sciences, September 13-16, 2009, Milos Island, Greece

Greece

13- S. Mousavi, **M. Salouti**, R. Shapouri, and M. S. Hakhamanesh. Isolation of Feather Degrading *Bacillus* spp. From Poultry Waste that Produce Keratinase in Iran. III International Conference on Environmental, Industrial and Applied Microbiology, Desember 2-4, 2009, Lisbon, Portugal.

14- Faranak Saghatchi, **Mojtaba Salouti**, Akbar Eslami, Determination of <sup>226</sup>Ra and <sup>210</sup>Pb in water of drilled wells in Zanzan city, Iran, International Symposium on Isotopes in Hydrology, Marine Ecosystems and Climates change studies, 27 March-1 April, Monaco, France

## LIST OF PRINTED ABSTRACTS AND PRESENTED PAPERS IN NATIONAL CONGRESSES AND SYMPOSIUMS

1. **M. Salouti**. Radioimmunosciintigraphy, 7<sup>nd</sup> Congress of Iranian Radiation Sciences Association, January 26-29, 2008, Iran University of Medical Sciences
2. Sh. Parvizi, **M. Salouti**, H. Mortaz. Photodynamic therapy, 7<sup>nd</sup> Congress of Iranian Radiation Sciences Association, January 26-29, 2008, Iran University of Medical Sciences
3. F. Saghatchi, **M. Salouti**. Radiation Hormesis, 7<sup>nd</sup> Congress of Iranian Radiation Sciences Association, January 26-29, 2008, Iran University of Medical Sciences
4. **M. Salouti**, H. Rajabi, B. Shalchian. The Estimation of Kidneys Function Using Deconvolution Method, 7<sup>th</sup> Iranian Annual Meeting of Nuclear Medicine, October 19-21, 2007, Mashad University of Medical Saciences
5. F. Tabei, S. Nosrati, M. Rafiee, **M. Salouti**. The Study of Noise, Informity and Resolution in C.T. scan Systems, 7<sup>nd</sup> Iranian Conference on Machine Vision & Image Processing, 13-15 February, 2007, K. N. Toosi University of Technology

٦. H. Mortaz, [M. Salouti](#), Sh. Parvizi. A Method to Choose and Purchase of Medical Equipments, ١st National Summit on Improving Criteria for Selection and Purchase of Medical Equipments, ٨ October, ٢٠٠٤, Khatam-ul- Anbia Hospital
٧. F. Saghatchi, [M. Salouti](#). To Choose and Purchase of Ionizing Radiation Dosimetry Systems, ١st National Summit on Improving Criteria for Selection and Purchase of Medical Equipments, ٨ October, ٢٠٠٤, Khatam-ul- Anbia Hospital
٨. M. Mirtaheri, M. M. Modaress, H. Mortaz, [M. Salouti](#). The Effect of Patient Positioning in Myocardial Perfusion SPECT in Nuclear Medicine, ٩th Iranian Congress of Nuclear Medicine, ١٠-١٢ December, ٢٠٠٥, Iran University of Medical Sciences
٩. M. Mirtahery, Hassan Mortaz, [M. Salouti](#). The role of complementary imaging in diagnosis of heart diseases in nuclear medicine, ٣rd National Scientific Congress of Iranain Radiation Sciences Association, ١٩ January, ٢٠٠٦, Iran University of Medical Sciences
١٠. [M. Salouti](#), F. Saghatchi. The new methods to early diagnosis of cancers in nuclear medicine, ٣rd National Scientific Congress of Iranain Radiation Sciences Association, ١٩ January, ٢٠٠٦, Iran University of Medical Sciences
١١. F. Saghatchi, [M. Salouti](#). The most important parameters to choose a proper Radiation Detector, ٣rd National Scientific Congress of Iranain Radiation Sciences Association, ١٩ January, ٢٠٠٦, Iran University of Medical Sciences
١٢. H. Ghadiri, H. Mortaz, [M. Salouti](#), Sh. Parvizi. Dry and Conventional Laser Imagers Comparison, ٣rd National Scientific Congress of Iranain Radiation Sciences Association, ١٩ January, ٢٠٠٦, Iran University of Medical Sciences
١٣. J. Ahmadi, Sh. Parvizi, [M. Salouti](#). The Comparative study of MRA and CTA in evaluating vascular and cardio-vascular diseases, ٣rd National Scientific Congress of Iranain Radiation Sciences Association, ١٩ January, ٢٠٠٦, Iran University of Medical Sciences
١٤. F. Saghatchi, A. Eslami, [M. Salouti](#), M. Peida. Assessment of gamma background radiaton in different seasons in Zanjan. ١th Human, Life and Radiation Conference, ٢٩-٣٠ October, ٢٠٠٦, Rafsanjan, Iran
١٥. S.J. Ahmadi, Sh. Parvizi, [M. Salouti](#), H. M. Hejri. Effective factors improving quality of images in CTA and MRA. ٤th National Scientific Congress of Iranain Radiation Sciences Association, ١٨ January, ٢٠٠٧, Olympic Hotel, Tehran
١٦. H. M. Hejri, M. Mirtaheri, [M. Salouti](#). Heart radioisotopes scan; in one or two days? ٤th National Scientific Congress of Iranain Radiation Sciences Association, ١٨ January, ٢٠٠٧, Olympic Hotel, Tehran
١٧. [M. Salouti](#), F. Naderi, F. Saghatchi. The new imaging methods to early diagnosis of cancers. ٢٢nd Iranian Congress of Radiology, ١٦-١٩ January ٢٠٠٧, Olympic Hotel, Tehran
١٨. Sh. Parvizi, H. Mozdarani, [M. Salouti](#). The Study of Cytotoxic Effects of I.V. Injection of Urografin ٧٦٪ on Spermatogenesis in Animal Model. ١٣th Congress of Iranian Society For Reproductive Medicine. February ٢١-٢٣ ٢٠٠٧, Tehran, Iran.

۱۹. Sh. Parvizi, H. Mozdarani, **M. Salouti**. Assessment of Cytotoxic Effects of I.V. Injection of Omnipaque ۳۰۰ on Spermatogenesis in Mouse Model. ۸<sup>th</sup> Royan International Twin Congress. September ۰-۷ ۲۰۰۷, Tehran, Iran
۲۰. H. M. Hejri, **M. Salouti**, A. Moslemi, Sh. Parvizi. The Necessity of Using Digital Radiography Systems According to Health Technology Assessment (HTA). ۲۳<sup>rd</sup> Iranian Congress of Radiology and ۰<sup>th</sup> Congress of Iranian Radiation Sciences Association. ۳۰ October to ۲ November ۲۰۰۷, Tehran
۲۱. M. Mirtaheri, H. M. Hejri, **M. Salouti**. The Importance of Carrying out Quality Control Programs on Quality of Heart Scan Images Taken by SPECT in Nuclear Medicine. ۲۳<sup>rd</sup> Iranian Congress of Radiology and ۰<sup>th</sup> Congress of Iranian Radiation Sciences Association. ۳۰ October to ۲ November ۲۰۰۷, Tehran
۲۲. **M. Salouti**, F. Saghatchi, H. Rajabi. Assessment of Radioactive Contamination in Waiting Rooms in Nuclear Medicine Centers of Tehran; Two or One Waiting Rooms? The First Radiation Protection In Nuclear Medicine Departments, October ۱۴-۱۶ ۲۰۰۷, Tehran
۲۳. S. Rasaneh, H. Rajabi, M. H. Babaei, **M. Salouti**, F. Johari, M. Shafiee, M. Mazidi. Labeling of Mab Herceptin With <sup>۱۷۷</sup>Lu to Produce a New Radiolabeling for Imaging of Breast Cancer in Nuclear Medicine. ۱۲<sup>th</sup> Iranian Annual Congress of Nuclear Medicine, June ۲۰-۲۷ ۲۰۰۸, Sari
۲۴. S. Rasaneh, H. Rajabi, M. H. Babaei, **M. Salouti**, F. Johari, M. Shafiee. Heceptin (Trastuzumab) HER۲ antibody labeled with technetium and quality control of this synthesis. The ۱<sup>th</sup> National Scientific Congress of Iranain Radiation Sciences Association (IRSA), April ۲۰-۲۶ ۲۰۰۸, Shiraz

And more than ۴۰ Scientific papers in national scientific magazines