

I Masoud Sadeghzadeh introduce myself as an Assistant Professor which is the head of the synthesis of active ingredients of radiopharmaceuticals Lab. in Nuclear Science & Technology Research Institute in Iran. I have been pursuing my Ph.D in multidisciplinary fields such as **synthetic organic** with **medicinal chemistry and radiolabeling** under the supervision of **Prof. Mehdi Ghandi**, at University of Tehran. The topic of my thesis was “*Synthesis of a series of sigma receptor ligands and radioiodination them for assess their therapeutic properties in treatment of breast cancer*”.

I am very interesting to research about synthesis of bioactive organic compounds as well as their screening in biological systems via *in vitro* and *in vivo* assays. I will be glad if I can find an anti-cancer drug or a diagnostic imaging agents as well as a therapeutic cancer drug or radiopharmaceuticals.

I am very interesting of cell biology studies for drug discovery and my final goal is to reach a useful drug to help to the patients in the world.

At the moment, my research focus on the synthesis of biologically active organic and carbohydrate compounds, medicinal chemistry studies on these compounds, radiolabeling of the best compound and *in vitro* evaluation in cell lines as well as *in vivo* characterization of the radiolabeled compound.