

Curriculum Vitae of Roya Binaymotlagh

Email: roya.binayemotlagh@gmail.com

Nationality: Iranian

Place of residence: Italy, Rome

Number of
articles: 18

Number of patents: 3

H-Index 11

Number of citations 384

ORCID 0000-0002-9510-0228

Language skills and Competences

Native language Persian

Other languages English, Italian

Writing excellent, very good (B1 level)

Reading excellent, very good (B1 level)

Listening and speaking excellent, very good (B1 level)

Number of International
conferences 6 (Participation in both oral and poster presentations)

Work experiences

Date 12-01-2024 to present

Sapienza University of Rome Post-doctoral fellow

Date 07-23-2018 to 05-02-2019

Name of company Kamvar Company

Responsibility R&D manager of an industrial project "Production of dietary and sugar-free products using natural sweeteners such as date nectar and berry nectar, as well as the use of sweeteners extracted from sugarcane such as isomalt".

Educational experiences

Date 11-01-2021 to 31-01-2024

Sapienza University of Rome Chemical Sciences (PhD student at the Nanobiotechnology and Nanomaterials laboratory of the Department of Chemistry). (formal PhD degree with **a score of great with excellent**)

Date 09-23-2011 to 07-08-2013

Khajeh Nasir Toosi University of Technology (Iran) Inorganic Chemistry (formal master's degree with an average score of 17.75/20).

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Date	09-23-2007 to 09-22-2011
Khajeh Nasir Toosi University of Technology (Iran)	Applied Chemistry (formal bachelor's degree with an average score of 15.98/20).

Awarded funds

Sapienza University of Rome 2022	Principal investigator of the research project Avvio alla Ricerca entitled “Encapsulation of Vitamin C Inside of Size Controlled Liposome Nanoparticles Fabricated by a New Method”. Project number AR122181687C379A Funding: 1,200 euro.
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Honors

Sapienza University of Rome 2020	Awarded a fellowship for attaining the degree of “Dottore di Ricerca” in Sapienza University of Rome.
Khajeh Nasir Toosi University of Technology (2013)	Ranked 2 nd among all M.Sc. graduates in Inorganic Chemistry, Iran.
Khajeh Nasir Toosi University of Technology (2011)	Admitted to pursuing graduate studies without entrance examination (only granted to the top 5% of students), Iran.
Khajeh Nasir Toosi University of Technology (2011)	Ranked 3 rd among all B.Sc. graduates in Applied Chemistry, Iran.

Organizational Skills

Mrs. Roya Binaymotlagh has a 11-year scientific background in medical application of nanomaterials and their formulations, such as drug delivery and cancer cell imaging. She is highly motivated to participate in frontier topics in medicinal sciences, supported by a strong academic background including high score published papers, reviews, and patents, talented researcher, and several international conferences.

Technical skills and competencies

Conjugation of hyaluronic acid to graphene oxide nanoparticles and encapsulation of them inside of the printable peptide hydrogels to refine the pain in osteoarthritis patients.

Synthesis of hybrid gold nanoclusters/magnetic nanoparticles functionalized by MUC-1 aptamer for MCF-7 cancer cell imaging and specific drug delivery.

Synthesis of magnetic/gold nanoparticles for detection and collection of HL-60 cancer cells.

Synthesis, formulation, and characterization of peptide-based hydrogels and impregnation of them with different metal and metal oxide nanoparticles to investigate their biotechnological and environmental properties.

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I authorize the ISS and the NanoItaly Association to process my personal data and to retain it for organizational and administrative purposes, in accordance with EU Regulation 2016/679."

Roya Binaymotlagh
08.07.2025