



ALLA MAGNIFICA RETTRICE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID: 7069

Il sottoscritto chiede di essere ammesso a partecipare alla selezione pubblica, per titoli ed esami, per il conferimento di un assegno di ricerca presso il Dipartimento di Dipartimento di Biotecnologie Mediche e Medicina Traslazionale, Bando di tipo B - Prof. Zanchetta

Responsabile scientifico: Professore Giuliano Zanchetta

[Afshin Azarrpour]

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	Azarpour
Nome	Afshin

OCCUPAZIONE ATTUALE

Incarico	Struttura
PhD student	PhD student

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Laurea Magistrale o equivalente	M.Sc. in Atomic, Molecular & Optical Physics, Faculty of Science, Physics Dept.	Ferdowsi University of Mashhad, Iran	2018
Specializzazione			
Dottorato Di Ricerca	Ph.D. student at Ph.D. school in Physics, astrophysics, and applied physics, Department of Medical Biotechnologies and Translational Medicine,	Università degli Studi di Milano Statale	2025
Master			
Diploma Di Specializzazione Medica			
Diploma Di Specializzazione Europea			
Altro			



UNIVERSITÀ DEGLI STUDI DI MILANO

ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città



LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
English	C1
Persion	Native

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2022	Awarded a three-year doctoral fellowship at the University of Milan through a competitive selection process.
2024	Best Scientific Video Award, 6th Italian Soft Days Conference, Florence, Italy (July 4-5, 2024).
2018	Ranked first among 40 physics students at Ferdowsi University of Mashhad in research publications.
2012	Bronze Medal, Water Rocket Competition, Birjand University, Iran.
2011-2013	Member, Physics Association, Ferdowsi University of Mashhad (two years).
2009	Gold Medal, Provincial High School Running Tournament, Khorasan Province, Iran.
2009	Silver Medal, Provincial Middle School Running Tournament, Khorasan Province, Iran.

ATTIVITÀ DI FORMAZIONE O DI RICERCA

Research Experience: Research Intern, Procter & Gamble (P&G), Cincinnati, OH, USA (July-December 2023). Investigated the shear sensitivity of Stabylen 30 Acrylates/Vinyl Isodecanoate Crosspolymer, contributing to a Smart Learning Report. <ul style="list-style-type: none">• Laser Research Laboratory, Ferdowsi University of Mashhad, Iran (July 2015 - July 2019). Conducted research on the nonlinear optical properties of various materials using advanced spectroscopic techniques.• Bacterial Identification Research, Ferdowsi University of Mashhad, Iran (August 2016 - January 2017). Developed and implemented a novel method for bacterial identification based on fluorescence spectrum analysis. Teaching Experience <ul style="list-style-type: none">• Ferdowsi University of Mashhad, Iran:<ul style="list-style-type: none">- Teaching Assistant, Laboratory of Optical Physics (Spring 2018)- Teaching Assistant, Fundamental Physics Two (Spring 2019)- Mentored two Master's theses (Spring 2018 - Spring 2019)• University of Birjand, Iran:<ul style="list-style-type: none">- Teaching Assistant, Laboratory of Optical Physics (Fall 2013)

ATTIVITÀ PROGETTUALE

Anno	Progetto
2015-2019	Photophysical and nonlinear optical properties of different dyes in microemulsion systems
2022-2025	SUN FORMULA: SUsustainable and Natural structurants for FORMULAted liquid products



TITOLARITÀ DI BREVETTI

Brevetto

CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
2022	5th Italian Soft Days 2022 - Poster presentation, September 29th-30th 2022, Bari, Italy	https://sites.google.com/site/italiansoftdays/news/past-announcements/2022-ed/italian-soft-days-2022-announcement
2024	European Young Rheologists Symposium 2023 (EYRS 2023) - Oral presentation, May 8th-9th 2023, online	https://rheology-esr.org/aercs/eyrs-2023/welcome/
2024	6th Italian Soft Days Conference, Florence, Italy (July 4-5, 2024) - Poster and Scientific Video Presentation	https://sites.google.com/site/italiansoftdays/home/news/isodays-2024-in-florence
2024	12th Liquid Matter Conference 2024 - Poster presentation, September 22nd-27th 2024, Mainz, Germany	http://lmc2024.com/
2022	6th BioMeTra Workshop - September 20th 2022, University of Milan, Milan, Italy	https://sites.google.com/view/5th-biometra-workshop/home
2023	1st Unimi Complex System Community Day, June 14th 2023, University of Milan, Milan, Italy	https://lastatalenews.unimi.it/eventi/complex-systems-community-day
2024	8th BioMeTra Workshop - Poster Presentation and Short talk, September 20th 2024, University of Milan, Milan, Italy	https://biometra.unimi.it/it/8th-workshop-biometra-2024
2022	1st International Summer School on Science-Based Formulation, September 26th-29th 2022, University of Bari, Bari, Italy	https://sites.google.com/view/sciencebasedformulation/past-editions/sbf-2022/free-registration
2023	11th Complex Motion in Fluids Summer School, July 17th-20th 2023, Homerton College, University of Cambridge, Cambridge, UK	https://sites.google.com/cam.ac.uk/complexmotioninfluids2023/home



2024	3rd International Summer School on Science-based Formulation, July 1st- 3rd 2024, University of Firenze, Firenze, Italy	https://sites.google.com/view/sciencebasedformulation/home
2023	European Young Rheologists Symposium 2023 (EYRS 2023), April 2023 Seminar Presentation	https://rheology-esr.org/aerics/eyrs-2023/welcome/

PUBBLICAZIONI

Articoli su riviste	
1.	A. Azarpour, S. Sharifi, F. Rakhshanizadeh; Nonlinear Optical Properties of Crocin: From Bulk Solvent to Nano-confined Droplet, Journal of Molecular Liquids; Volume 252; Pages 279-288; February 2018.
2.	S.A. Sangsefedi, S. Sharifi, R. Rastegar Moghaddam Rezaion, A. Azarpour. Fluorescence and Nonlinear Optical Properties of Alizarin Red S in Solvents and Droplet. Journal of Fluorescence. Volume 28; pp 1-11; May 2018.
3.	A. Azarpour, S. Sharifi, M. Khzaei-Nezhad. Study of Nonlinear Optical Properties of Saffron in Micro-emulsion and Solvent by Single Beam Z-scan Technique. Journal of Optoelectronics Instrumentation and Data Processing, Vol. 54, No. 1, pp. 38-45, 2018.
4.	E. Asadi, A. Azarpour, A. Makhdoumi, S. Sharifi, Z-Scan and Absorption Study of Crocin and Rhodamine B Decolorization by Bacterial Laccase. Journal of fluorescence. Sep 1; 28(5):1093-103, 2018
5.	S. Sharifi, G. Leisan Faritovna, A. Azarpour; Photophysical and Nonlinear Optical Properties of Azophloxine in Reverse Micelles. Journal of Fluorescence, pp 1-12; October 2018.
6.	S. Sharifi, A. Azarpour, E. Asadi, A. Makhdoumi. A New Method to Study of Decolorization of Dyes by Bacterial Laccase: Nonlinear Optic, Journal of Sensor Letters. Volume 17, Number 4, pp. 312-317(6), April 2019.
7.	A. Azarpour, M. Jahedi, S. Sharifi, F. Rakhshanizadeh. Amino Acid and Droplet Effect on Methylene Blue: Optical Properties, Journal of Sensor Letters; 17(5):448-455, June 2019.
8.	S. Sharifi, M. F. Nazar, F. Rakhshanizadeh, S. A. Sangsefedi, and A. Azarpour Impact of amino acids, organic solvents and surfactants on azo-hydrazone tautomerism in Methyl Red: spectralluminescent



and nonlinear optical properties. Optical and Quantum Electronics, 52(2), 98, 2020.
9. S. Sharifi, S. G. Salavatovna, A. Azarpour, F. Rakhshanizadeh, G. Zohuri., & M. R. Sharifmoghadam. Optical Properties of Methyl Orange-Doped Droplet and Photodynamic Therapy of Staphylococcus aureus. Journal of Fluorescence, 29(6), 1331-1341, 2019.
10. N. Torabi, F.A. Zarif, A. Azarpour. Investigation of NLO Properties of Eriochrome Black T Colloidal Solution: Role of Surfactant and Reverse Micelles. Journal of Electronic Materials, 50(2), pp.640-648, 2021.
11. A. Azarpour, M. Caggioni, G. Zanchetta; A reverse sieve: size-dependent particle trapping in a centrifuged yield stress material; 5th Italian Soft Days poster, September 2022.
12. M. Carneri, D. Ferraro, A. Azarpour, A. Meggiolaro, S. Cremaschini, D. Filippi, M. Pierno, G. Zanchetta, G. Mistura; Sliding and rolling of yield stress fluid droplets on highly slippery lubricated surfaces, Journal of Colloid and Interface Science, Volume 644; Pages 487-495; April 2023.
13. C. Alano, M. Caggioni, A. Azarpour; Stabylen 30 Acrylates/Vinyl Isodecanoate Crosspolymer: Investigation into shear sensitivity, P&G Smart Learning Report, JUNE 2023
14. A. Azarpour, M. Caggioni, G. Zanchetta; Size-dependent particle trapping in a centrifuged yield stress material; presented at the European Young Rheologists Symposium 2023 2
15. A. Azarpour, M. Caggioni, G. Zanchetta; Capturing the Effect of Preparation Protocol on Microgel Rheology Through Large Field-of-View Heterogeneity Maps; presented at 6th Italian Soft Days Conference, Florence, Italy, 2024
16. A. Azarpour, M. Caggioni, G. Zanchetta; Evaluation of the properties of non-aqueous solvents on C971 NF microgels and the impact of pH variations; presented at 12th Liquid Matter Conference, Johannes Gutenberg-University Mainz, Germany, 2024
17. A. Azarpour, G. Zanchetta, M. Caggioni; An efficient and fast way to quantify mesoscale fragments of aggregated microgels (Heterogeneity Map); (under preparation).
18. Evaluation of non-aqueous solvation capabilities on C971 NF microgels and the effect of variations in pH; (under preparation).



ALTRE INFORMAZIONI

Le dichiarazioni rese nel presente curriculum sono da ritenersi rilasciate ai sensi degli artt. 46 e 47 del DPR n. 445/2000.

Il presente curriculum, non contiene dati sensibili e dati giudiziari di cui all'art. 4, comma 1, lettere d) ed e) del D.Lgs. 30.6.2003 n. 196.

RICORDIAMO che i curricula **SARANNO RESI PUBBLICI** sul sito di **Ateneo** e pertanto si prega di non inserire dati sensibili e personali. Il presente modello è già precostruito per soddisfare la necessità di pubblicazione senza dati sensibili.

Si prega pertanto di **NON FIRMARE** il presente modello.

Luogo e data: Milano, 29/12/2024