



AL MAGNIFICO RETTORE
DELL'UNIVERSITA' DEGLI STUDI DI MILANO

COD. ID: 6871

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 **BOTANY**

Responsabile scientifico: **Dr. Gianalberto Losapio**

[Nome e cognome]

CURRICULUM VITAE

INFORMAZIONI PERSONALI

Cognome	SASIDHARAN
Nome	ROHIT

OCCUPAZIONE ATTUALE

Incarico	Struttura
Doctoral Researcher	(Outgoing) Bielefeld University

ISTRUZIONE E FORMAZIONE

Titolo	Corso di studi	Università	anno conseguimento titolo
Masters-by-Research	MSc in Biology (Chemical Ecology)	National Centre for Biological Sciences, Tata Institute of Fundamental Research, India	2019
Dottorato Di Ricerca	Dr. rer. nat. (PhD) in Chemical Ecology	Bielefeld University	2024

ISCRIZIONE AD ORDINI PROFESSIONALI

Data iscrizione	Ordine	Città
2023-present	International Society for Chemical Ecology	-
2024-present	United Nations' Volunteer Program	-



LINGUE STRANIERE CONOSCIUTE

lingue	livello di conoscenza
English	Professional, Academic
German	Spoken (A2)
Hindi	Fluent
Arabic	Written

PREMI, RICONOSCIMENTI E BORSE DI STUDIO

anno	Descrizione premio
2023	International Society for Chemical Ecology Travel Award
2012-2015	INSPIRE Scholarship , Scholarship for Higher Education, Department of Science and Technology, India

ATTIVITÀ DI FORMAZIONE O DI RICERCA

Training:		
Project supervision	2022	MSc Research Module on the role of tansy chemodiversity in insect attraction and repellence
	2021	BSc Project Module on florivore preference and performance on tansy chemotypes
	2020 - 2021	BSc Project Module on performance and characterisation of a florivore beetle of tansy
	2013 - 2014	Laboratory internship on myrmecochory in the castor oil plant
	2013	Laboratory internship on honeybee performance on specialised metabolites from the castor oil plant
Lectures	2020-2023	Bachelors' program (Winter module) for Insect defences: Aposematism and mimicry
Practical supervision	2022	Bachelors' program (Basic module) for ecological interactions in field settings
	2021	Bachelors' program (Special module) for two-sided olfactometry and binomial testing
Research Activities		
2020 - present	PhD Student (Graduate Researcher) in chemical ecology of flower-insect interactions, Bielefeld University, Bielefeld, Germany	
2018 - 2019	Technical Assistant , Glycomics, Mass Spectrometry, Centre for Cell and Molecular Platforms, Bengaluru, India	



2015 - 2018	MSc-Research (Graduate Researcher) in Biology, NCBS, Bengaluru, India
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ATTIVITÀ PROGETTUALE

Anno	Progetto
2020-present	PhD: The role of chemodiversity in flower-insect interactions of pollinators and florivores
2018-2019	Technician: Analysis of glycans, sugars and biotherapeutic peptides by mass-spectrometry workflows
2015-2018	MSc: Chemical ecology of myrmecochory and alkaloid-based defences in <i>Ricinus communis</i>

TITOLARITÀ DI BREVETTI

Brevetto
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CONGRESSI, CONVEGNI E SEMINARI

Data	Titolo	Sede
July 2024	International Society for Chemical Ecology meeting	Prague
July 2023	International Society for Chemical Ecology meeting	Bangalore
November 2022	GfÖ-SFE ² -EEF International Conference on Ecological Sciences	Metz-Lorraine
September 2022	FOR3000 Conference on "Synthesis: Ecology and Evolution of Intraspecific Chemodiversity of Plants"	Bielefeld
March 2022	FOR3000 Workshop on "Ecology and Evolution of Intraspecific Chemodiversity of Plants"	Leipzig
August 2021	FOR3000 Workshop on "Quantification and Definition of Chemodiversity"	Marburg

PUBBLICAZIONI

Libri



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Articoli su riviste
Flower visitor groups show differential responses to individual and plot-level chemodiversity with consequences for plant fitness. Sasidharan R. , Grond S.G., Champion S., Eilers E., Müller C. (2023). <i>Submitted Functional Ecology (in review)</i> .
Chemodiversity in flowers of <i>Tanacetum vulgare</i> has consequences on a florivorous beetle. Sasidharan R. , Brokate L., Eilers E.J., Müller C. (2023). <i>Plant Biol.</i> 25(7):1071-1082. https://doi.org/10.1111/plb.13576
Floral volatiles evoke partially similar responses in both florivores and pollinators and are correlated with non-volatile reward chemicals. Sasidharan R. , Junker R.R., Eilers E.J., Müller C. (2023). <i>bioRxiv</i> 2023.02.13.528270. https://doi.org/10.1101/2023.02.13.528270
Understanding the phytochemical diversity of plants: Quantification, variation and ecological function. Petré H., Anaia R.A., Aragam K.S., Bräutigam A., Eckert S., Heinen R., Jakobs R., Ojeda-Prieto L., Popp M., Sasidharan R. , Schnitzler J.-P., Steppuhn A., Thon F., Tschikin S., Unsicker S.B., van Dam N.M., Weisser W.W., Wittmann M.J., Yepes S., Ziaja D., Müller C., Junker R.R. (2023). <i>bioRxiv</i> 2023.03.23.533415. https://doi.org/10.1101/2023.03.23.533415
Inter-laboratory comparison of plant volatile analyses in the light of intra-specific chemodiversity. Eckert S., Eilers E.J., Jakobs R., Anaia R.A., Aragam K.S., Bloss T., Popp M., Sasidharan R. , Schnitzler J.-P., Stein F., Steppuhn A., Unsicker S.B., van Dam N.M., Yepes S., Ziaja D., Müller C. (2023). <i>Metabolomics</i> 19, 62. https://doi.org/10.1007/s11306-023-02026-6
Seed Elaiosome Mediates Dispersal by Ants and Impacts Germination in <i>Ricinus communis</i> . Sasidharan R. & Venkatesan R. (2019). <i>Front. Ecol. Evol.</i> 7:246. https://doi.org/10.3389/fevo.2019.00246
Female Density-Dependent Chemical Warfare Underlies Fitness Effects of Group Sex Ratio in Flour Beetles. Khan I., Prakash A., Issar S., Umarani M., Sasidharan R. , Masagalli J.N., Lama P., Venkatesan R. & Agashe D. (2018). <i>Am. Nat.</i> 191:3, 306-317. https://doi.org/10.1086/695806

Atti di convegni
Poster: Understanding the influence of tansy chemodiversity on pollinators and florivores across scales, International Society for Chemical Ecology meeting, Bangalore, 2023.
Talk: The role of chemodiversity in flower-insect interactions of <i>Tanacetum vulgare</i> , GfÖ-SFE ² -EEF International Conference on Ecological Sciences, Metz-Lorraine, 2022.
Poster: Chemotype effects on the preference and performance of a beetle florivore in <i>Tanacetum vulgare</i> , FOR3000 Conference on "Synthesis: Ecology and Evolution of Intraspecific Chemodiversity of Plants", Bielefeld, 2022.

ALTRE INFORMAZIONI

Reviewed manuscripts in: (1) Plant Biology, 2024 (2) Discover Plants, 2024	
Proficiencies	
Software Tools	Microsoft Office, LaTeX, GitHub, ImageJ, GraphPad, Adobe Photoshop, Illustrator, Reference Managers (Endnote, Mendeley)
Programming	R, Java, HTML (basic), Python (basic)
Statistics	Univariate and multivariate analyses, (Generalised) linear (mixed-) modelling, Unsupervised learning algorithms, Probability analyses

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: Bangalore, 16-09-2024