

PROFORMA FOR BIO-DATA

1. Name and full correspondence address:

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3. Institution: CSIR-CFTRI

4. Academic Qualification (Undergraduate Onwards)

Degree	Subject	University	% of marks
BSc	Physics, Chemistry & Mathematics	Bangalore University	First class
MSc	Chemistry	Bangalore University	First Class
PhD	Chemistry	IISc	-

5. Ph.D thesis title, Institute/Organization/University, "Heterolytic activation of molecular hydrogen by transition metal complexes"

Indian Institute of Science

6. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant.

S.NO	Name of the award	Awarding agency
1	CSIR-UGC NET	CSIR
2	IISc Ph.D fellowship	IISc

7. Publications (*List of papers published in SCI Journals, in year wise descending order*).

Sl No	Authors	Title	Name of the journal	Volume	Page	Year
1	Debasree C. Gangothri M.V. Lagamawwa, H, Nanishanknar V.Harohally*	Critical role of Bronsted acid in Lewis-acid-catalyzed synthesis of Amadori and Heyns compounds of β -amino acids.	Synthetic Communications https://doi.org/10.1080/00397911.2021.1971718			2021
2	Uday kumar AH. Karthik kumara, Nanishankar VH. Pampa KH, Lokanath NK..	Square Planar <i>trans</i> -N ₂ O ₂ Cu(II) Complex: Synthesis, Crystal Structure, Hirshfeld Surface, DFT, Antimicrobial and Docking Studies	ChemistrySelect	6(24)	6240-6255	2021
3	Nanishanknar V.Harohally* Cyril Thomas	Quick NIR based method for ascertaining coffee and chicory percentage in a mixture	ACS Food science and Technology	1	524-528	2021
4	Debasree C. Gangothri M.V.Nanishanknar V.Harohally*	Lewis-acid catalysed synthesis of Amadori and Heyns dipeptides.	ChemistrySelect	5(42)	12960-12964	2020
5	Mouafo HT, Mbawala, Somashekar D, Tchougang H M, Nanishankar VH, Ndjouenkeu.	Biological properties and structural characterization of a novel rhamnolipid like biosurfactants produced by lactobacillus casei subsp.casei TM1B	Biotechnology and Applied biochemistry https://doi.org/10.1002/bab.1966			2020
6	A.L.Amruthakala, Karthik Kumara, Nanishankar V.Harohally,* N.K.Lokanath	Synthesis, characterization and hydrogen bonding attributes of halogen bonded O-hydroxy Schiff bases: Crystal structure, Hirshfeld surface analysis and DFT studies	Journal of Molecular Structure	1202	12723-8	2020
7	N. M.Desai, Glory.S.Martha, Nanishanknar V.Harohally, P.S.Murthy	Non-digestible oligosaccharides of green coffee spent and their prebiotic efficiency	LWT-Food Science and Technology	118	10878-4	2020
8	S. Monadal,	Structural and	Process	82	173-	2019

	Saritha G, Pandit, Mohan nakumari H.P. Nanishankar V.H. Mohan A. Dhale	functional characterization of new pigment molecule Monashin from <i>Monascus purpureus</i> CFR410-11	biochemistry		178	
9	Siddhart P. Nanishankar V. H.C. Roopavathi, Madhava Naidu	Isolation, identification, structural elucidation and bioactivity of Heneicos-1-ene from <i>Coriandrum sativum</i> L. foliage	Scientific Reports	8	17414	2018
10	Debasree Chanda, Nanishankar V. Harohally*	Revisiting Amadori and Heyns Synthesis: Critical Percentage of Acyclic Form Play the Trick in Addition to Catalyst	Tetrahedron letters	59(31)	2983-2988	2018
11	Saritha G. P Mohankumari H. P. Nanishankar V. H, Mohan A. Dhale	Functional attributes of a new molecule- 2-hydroxymethyl-benzoic acid 2'-hydroxy-tetradecyl ester isolated from <i>Talaromyces purpureogenus</i> CFRM02	Food Chemistry	255	89-96	2018
12	Shranappa.T. Nanishankar V. H., Chethana, R. Suresh kumar G.	Development of Wheat Bran Oil Concentrates Rich in Bioactives with Antioxidant and Hypolipidemic Properties	Journal of Agricultural and Food Chemistry	65(45)	9838-9848	2017
13	Nanishankar V. Harohally.* Chris cherita, Praveena B. Anu appaiah	Antiaflatoxicogenic and antimicrobial activities of Schiff bases of 2-hydroxy-4-methoxybenzaldehyde, cinnamaldehyde and similar aldehydes	Journal of Agricultural and Food Chemistry	65(40)	8773-8778	2017
14	Bhargava K.M.; Gururaja ,R.; Nanishankar, V. Harohally.*	Synthesis and antimicrobial activity of Schiff bases derived from 2-chloroquinoline-3-carbaldehyde and its derivatives incorporating 7-methyl-	Synthetic communications	46	1065-1070	2017

		2-propyl-3H-benzoimidazole-5-carboxylic acid hydrazide				
15	Bhargava K.M.; Gururaja ,R.; Nanishankar, V.Harohally.*	Synthesis, Characterization and antimicrobial activity Of Schiff bases derived from 2-hydroxyquinoline-3-Carbaldehydes	Indian journal of Heterocyclic Chemistry	26(1&2)	75-80	2016
16	L. Amruthakala, Nanishankar V.H,* S. Naveen, M.Ramegowda, N.K.Lokanath	O-hydroxy Schiff bases derived from 2-hydroxy-4-methoxy Benzaldehyde: Synthesis,X-ray studies and hydrogen bonding attribute	Molecular crystals and Liquid crystals	629(1)	146-157	2016
17	Nanishankar, V.H.* SM Srinivas, S Umesh	ZnCl ₂ -mediated practical protocol for the synthesis of Amadori ketoses	Food Chemistry	158	340-344	2014
18	P Shobharani, VH Nanishankar, PM Halami, NM Sachindra	Antioxidant and anticoagulant activity of polyphenol and polysaccharides from fermented Sargassum sp	International journal of biological macromolecules	65	542-548	2014
19	SM Srinivas, Nanishankar, V.Harohally*	Improved synthesis of lysine-and arginine-derived Amadori and Heyns products and in vitro measurement of their angiotensin I-converting enzyme inhibitory activity	Journal of agricultural and food chemistry	60(6)	1522-1527	2012
20	Nanishankar V.H, Saikat dutta, B.R. Jagirdar	Dynamics of a cis-dihydrogen/hydride complex of iridium	Inorganic chemistry	44(18)	6203-6210	2005
21	Nanishankar V.H, M..Nethaji ,B.R. Jagirdar	Synthesis and Characterization of the first example of dicationic dihydrogen complex of Iron and Ruthenium with the PF ₃ ligand	European Journal of Inorganic Chemistry	15	3048-3056	2004
22	Nanishankar V.H,	Dicationic dihydrogen complexes of Iron with	Indian Journal of	42A	2332-2338	2003

	M..Nethaji ,BR Jagirdar	almost no Fe- η^2 -H ₂ bonding.	Chemistry			
23	Majumdar K. K: Nanishankar V. H. BR.Jagirdar	Some new dicationic dihydrogen complexes of Ruthenium	European Journal of Inorganic Chemistry	7	1847- 1853	2001

8. Detail of patents.

Sl N O	Patent title	Name of applicants	Patent No	Awar d date	Agency/Cou ntry	status
1	A novel cyclic polyene compound from the leaves of memecyon malabaricum with antiangiogenic, antioxidant and proapoptotic activity	RNG Dharmappa, J Krishnamurth y, SM Aradhya, Nanishankar V.H.	IN 201841022 650 A	20/12/ 2019	India	Active

9. Books/Reports/Chapters/Preprints etc.

S ,No	Title	Author's Name	Publisher	Year of Publication
1	Parinirvana of Mind(kannada play)	Nanishankar V.H.	Apoorva Prakashana Bangalore	2014
2	Capsaicin Entrapment in Metal-Organic Framework Material Derived from γ - Cyclodextrin. .	Gangothri MV, Nanishankar V.Harohally, Nisha KM, Kavya K.Naik	ChemRxiv. Preprint. American Chemical Society	2019
3	A Quick NIR Based Method for Ascertaining Coffee and Chicory Percentage in a Mixture	.Nanshankar V.Harohally,Cyril thomas	ChemRxiv. Preprint. American Chemical Society	2020