



Dr. NISHA A

1. Educational Qualifications: M.Sc, M.Phil, Ph.D, CSIR-JRF

Sl. No	Degree	Institution/university	Year	Rank/Class
1	B.Sc Botany	Calicut University	1999	FIRST RANK
2	M.Sc Genetics and Plant Breeding	Kerala University	2001	FIRST RANK
3	M.Phil Botany	Kerala University	2003	A grade
4	Ph.D	University of Mysore	2010	-

2. Teaching experience:

Sl.No.	course	Year of experience
1	UG	6yrs
2	PG	6months

3. Awards and Achievements

- **BEST POSTER AWARD** for poster presentation at National conference cum workshop on Nutraceuticals-Perspectives Prospects and Challenges. MA College, Kothamangalam

4. Research Projects

Minor Projects

UGC sponsored Minor Research Project

“Evaluation of phenolics, flavonoids and antioxidant potential of wild edible fruits from Kerala”

Status: Report submitted to UGC In 2017

5. Academic positions and activities

- Internal exam coordinator (2012-13)
- Editor, Journal of DBCT (2014 Onwards)
- Member, Board of question paper setters (2016-17)
- Coordinator, Nature club(2013-15)

6. Articles published in Various journals

- **Nisha A**, Narasimhan S, Manjula S, Nair GM, 2004. Direct organogenesis in *Geophila reniformis* D.Don., an important medicinal herb. **Journal of Plant Biotechnology**, 6, 189-192

- **Nisha A**, Muthukumar SP, Venkateswaran G, 2009. Safety evaluation of arachidonic acid rich *Mortierella alpina* biomass in albino rats - A subchronic study. **Regulatory Toxicology and Pharmacology**. 53, 186-194.
- **Nisha A**, Venkateswaran G, 2011. Effect of culture variables on mycelial arachidonic acid production by *Mortierella alpina*. **Food and Bioprocess Technology** 4(2), 232-240.
- **Nisha A**, Rastogi NK, Venkateswaran G, 2011. Optimization of media components for enhanced arachidonic acid production by *Mortierella alpina* under submerged cultivation. **Biotechnology and Bioprocess Engineering** 16, 229-237
- **Nisha A**, Udaya Sankar K, Venkateswaran G, 2012. Supercritical CO₂ extraction of *Mortierella alpina* single cell oil: Comparison with organic solvent extraction. **Food Chemistry** 133, 220–226
- Anju Ajan, Divyasree TN, Noufia PM, **Nisha A**, 2013. Extraction and characterization of lipids in Almond and Pistachio. Proceedings of UGC National Symposium on Modern Biotechnology, prospects and challenges 92-97.
- **Nisha A**, Vijitha Vimalakshan, Maya KM, Aiswarya VA, 2014. Certain observations on the genotoxic and cytotoxic potential of food colours tartrazine yellow, allura red and apple green on *allium cepa* root tip cells. **Journal of dbct**, 2(1) 15-30

Posters presented

- **Nisha A**, Venkateswaran G, 2005. Screening and selection of arachidonic acid rich mutants of *Mortierella alpina* by TTC staining technique. 46th Annual Conference of AMI
- **Nisha A**, Venkateswaran G, 2006. Optimization of media and pH for enhanced arachidonic acid production by an oleaginous fungus, *Mortierella alpina*. 47th Annual Conference of AMI
- **Nisha A**, Venkateswaran G, 2006. Dihomo- γ -linolenic acid production by a mutant defective in $\delta 5$ desaturation derived from *Mortierella alpina*. 75th Annual Conference of SBC
- **Nisha A**, Venkateswaran G, 2006. Effect of carbon and nitrogen source on mycelial arachidonic acid production by *Mortierella alpina* strain. 18th Convention of Food Scientists and Technologists ICFOST
- **Nisha A**, Muthukumar SP, Venkateswaran G, 2007. Safety evaluation of arachidonic acid rich biomass derived from *Mortierella alpina*: An acute study. International Conference on New horizons in biotechnology (NHBT-2007)
- **Nisha A**, Muthukumar SP, Venkateswaran G, 2008. Safety evaluation of arachidonic acid rich *Mortierella alpina* biomass in albino rats - a subchronic study. International Food Convention (IFCON).
- **Nisha A**, Rastogi NK, Venkateswaran G, 2009. Maximizing the production of nutraceutically important omega 6 PUFA, arachidonic acid by an oleaginous fungus *Mortierella alpina* – a statistical approach. 20th convention of Food Scientists and Technologists ICFOST.

- **Nisha A**, Prakash M Halami, Venkateswaran G, 2009. Phylogenetic analysis of Δ^5 desaturase gene from the arachidonic acid producing fungus *Mortierella alpina*. 50th Annual Conference of AMI.
- Anju Ajan, Divyasree TN, Noufia PM, **Nisha A**, 2013. Extraction and characterization of lipids in almond and pistachio. "National symposium on Modern Biotechnology: prospects and challenges", KKTU Govt. College, Pullut, Kodungallur.
- **Nisha A**, Udayasankar K, Venkateswaran G, 2013. National conference cum workshop on Nutraceuticals-Perspectives Prospects and Challenges. MA College, Kothamangalam **BEST POSTER AWARD**

7. Seminars/Workshops organized:

Sl. no	Name of the Seminar/Workshop(mention regional/state/national)	Date	Funding Agency
1	Workshop on Mushroom Cultivation	19 th august 2017	NIL

8. Seminars/ workshops/ programmes attended.

Sl. No.	Name of the Seminar/Workshop(mention regional/state/national)	Venue	Date	Funding Agency
1	Curriculum Review Workshop	M.G University	21 st & 22 nd July 2011	M.G University
2	One Day Seminar and Hands on training in Bioinformatics	Marthoma College, Thiruvalla	28 th July 2011	UGC
3	National Seminar on "Impact of transgenics on Biodiversity"	Govt. Sanskrit College, Pattambi	27 th & 28 th Oct 2011	UGC & KSBB
4	International Seminar on "Cell and Molecular Biology"	Nirmala College, Muvattupuzha	16 th & 17 th Dec 2011	KSCSTE
5	One day Workshop in Botany conducted by BOS in Botany	S.B. College, Changanacherry	16 th Jan, 2012	BOS Botany
6	International conference on Advances in biological Sciences	Kannur University, Kannur	15 th & 17 th , March 2012	UGC
7	National seminar on Nanotechnology-Applications of	Dept. of Botany, BK College for Woman,	25 th & 26 th July 2012	UGC

	nonmaterial's in agriculture, food and Medicine”	Amalagiri		
8	National conference cum workshop on Nutraceuticals- Perspectives Prospects and Challenges.	MA College, Kothamangalam	12 th & 13 th March 2013	UGC
9	National symposium on Modern Biotechnology: prospects and challenges’,	KKTM Govt. College, Pullut, Kodungallur.	2013	UGC
10	Orientation program	UGC- ASC, University of Mysore, Mysore	31 st Aug-27 th Sept 2013	UGC
11	National Seminar on “Advances in Biotechnology”.	Cochin University of Science and Technology, Kochi	15 th & 16 th December 2014	Dept of biotech & pBAC
12	Refresher Course	UGC- ASC, University of Hyderabad, Hyderabad	7 th to 27 th Nov 2014	UGC

9. Administrative and other duties

- Member, College Council
- Member, Purchase Committee
- Member, Admission committee