

PERSONAL INFORMATION

Dhanisha S S



📍 Pournami, Peringammala, Kalliyoor (P.O), Thiruvananthapuram, Kerala-695042

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Sex Female | Date of birth 10/05/1992 | Nationality Indian

EDUCATION

- (2016 – present) **Ph.D (Biotechnology)**
Regional Cancer Centre (RCC), Thiruvananthapuram, Kerala, India
- *Registered at:* University of Kerala (AcE1.A2/118/BTY/16623/2018)
 - *Fellowship:* University Grants Commission (UGC) Senior Research Fellowship (SRF): 20/12/2015(ii)EU-V
- (2013-2015) **Master of Science in Biochemistry & Molecular Biology**
Central University of Kerala, Kasaragod, Kerala, India
Reg. No: BBM051304
CGPA: 77 % (Third Rank).
- MSc Thesis: Protein arginine methyltransferase 5 (PRMT5) is involved in epigenetic modulation of p21Cip1 gene expression
- Skills Acquired:
- Cell culture techniques
 - Molecular biology techniques
- (2010-2013) **Batchelor of Science in Industrial Microbiology biology & Biochemistry**
Women's college, Vazhutaycaud, Thiruvananthapuram, under University of Kerala, India
Reg. No: 10107010
Score: 94% (Second Rank)
- BSc Thesis: Analysis of genetic diversity in cardamom using microsatellite markers.
- Skills Acquired:
- Microbial culturing techniques
 - DNA extraction
- (2008-2010) **12th (Bio-Maths) (Reg. No: 6026945)**
M.M.R.H.S.S, Neeramankara, Thiruvananthapuram, Kerala, India
Score: 85 %
- (2007-2008) **10th (Reg. No: 531312)**
M.M.R.H.S.S, Neeramankara, Thiruvananthapuram, Kerala, India
Score: Full A+

ADDITIONAL QUALIFICATION

Completed FELASA accredited course 052/15- Certificate Course in Laboratory Animal Science, Organized by Tamil Nadu Veterinary & Animal Sciences University, Chennai, India during 19-29 October 2018.

PERSONAL SKILLS

E-mail ID: ghanishass@gmail.com

ORCID: 0000-0003-3485-5499

Mother tongue(s)	▪ Malayalam
Communication skills	▪ English: Fluent (<i>Both oral and written</i>)
Computer skills	▪ Microsoft Office
Other skills	▪ Experience in animal handling ▪ Experience in training junior research groups at RCC

ADDITIONAL INFORMATION

Publications

- **Dhanisha S.S**, Guruvayoorappan C, Drishya Sudarsanan, Abeesh P. Mucins: Structural diversity, biosynthesis, its role in pathogenesis and possible therapeutic targets. *Critical Reviews in Oncology/Hematology*. 2018, 122, 98-22. (Impact factor: 6.312).
- **Dhanisha S.S**, Drishya Sudarsanan, Guruvayoorappan C. *Pithecellobium dulce* fruit extract mitigates cyclophosphamide mediated toxicity by regulating proinflammatory cytokines. *Journal of Food Biochemistry*. 2019, e13083. (Impact factor: 2.19).
- **Dhanisha S.S**, Drishya Sudarsanan, Guruvayoorappan C. Fruit Extract of *Pithecellobium dulce* (FPD) ameliorates carrageenan-induced acute inflammatory responses via regulating pro-inflammatory mediators. *Journal of Food Biochemistry*. 2020, e13329. (Impact factor: 2.19).
- Drishya Sudarsanan, **Dhanisha S.S**, Guruvayoorappan C. Antioxidant-rich fraction of *Amomum subulatum* fruits mitigates experimental methotrexate-induced oxidative stress by regulating TNF- α , IL-1 β , and IL-6 proinflammatory cytokines. *Journal of Food Biochemistry*. 2021, e13855. (Impact factor: 2.19).
- Drishya Sudarsanan, **Dhanisha S.S**, Guruvayoorappan C. Anti-inflammatory potential exhibited by *Amomum subulatum* fruits mitigates experimentally induced acute and chronic inflammation in mice: Evaluation of antioxidant parameters, pro-inflammatory mediators and HO-1 pathway. *Journal of the American College of Nutrition*. 2021, 1-11. (Impact factor: 3.169).
- **Dhanisha S.S**, Drishya Sudarsanan, Guruvayoorappan C. Traditional knowledge to clinical trials: a review on nutritional and therapeutic potential of *Pithecellobium dulce*. *Journal of Basic and Clinical Physiology and Pharmacology*. 2021, 000010151520200166.
- Drishya Sudarsanan, **Dhanisha S.S**, Guruvayoorappan C. *Amomum subulatum* induces apoptosis in tumor cells and reduces tumor burden in experimental animals via modulating pro-inflammatory cytokines. *Cancer Investigation*. 2021, 1-16. (Impact factor: 2.176).
- **Dhanisha S.S**, Drishya Sudarsanan, Gangaraj K.P, Rajesh M.K, Guruvayoorappan C. Molecular docking studies of naringenin and its protective efficacy against methotrexate induced oxidative tissue injury. *Anticancer Agents in Medicinal Chemistry*. 2021, (Impact factor: 2.505).
- **Dhanisha S.S**, Drishya Sudarsanan, Guruvayoorappan C. Polyphenolic-rich fraction of *Pithecellobium dulce* attenuates methotrexate-induced oxidative stress and associated tissue injury by regulating the TNF- α , IL-1 β and IL-6 pro-inflammatory cytokines. *International Journal of Functional Nutrition*. 2021, 7.

- **Dhanisha S.S**, Drishya Sudarsanan, Guruvayoorappan C. *Pithecellobium dulce* induces apoptosis and reduce tumor burden in experimental animals via regulating pro-inflammatory cytokines and Anti-apoptotic gene expression. Food and Chemical Toxicology. Accepted. (Impact factor: 6.023).

Presentations

- Poster presentation on “*Pithecellobium dulce* induces apoptosis in lymphoma cells *in vitro* and *in vivo* by regulating pro-inflammatory cytokines. “Health Sciences” in the International Conference on “Recent Advances in Applied Sciences, Technology & Health (RASTH 2021)” held between 3-5th March 2021 (virtual) at SRMIST, Kattankulathur.
- Oral presentation on “Cancer chemotherapy associated side effects: Mitigation using novel therapeutic molecules rich underutilized fruits of *Pithecellobium dulce* for improving the QOL (quality of life) - an *in vivo* study” at Swadeshi Science Congress 2020 held at ICAR-CPCRI, Kasaragod during 27-29 February, 2020.

Workshops/Seminars/Conferences

- Participated in the program on “Severity Classification and Harm-Benefit Analysis in Animal Experimentation” organised by Sree Chitra Tirunal Institute for Medical Sciences and Technology, Thiruvananthapuram on 18th February, 2020.
- Organized a workshop on “Technological Advances in Cancer Research & Diagnosis” on 10th and 11th May, 2019 in connection with the National Technology Day Celebrations 2019, sponsored by KSCSTE, Government of Kerala at Regional Cancer Centre, Thiruvananthapuram.
- Participated in the Indo-Swedish Seminar on “Analytical Cell Biology and Machine Learning in Cancer Research” on 13th May, 2019 at the Division of Cancer Research, Regional Cancer Centre, Thiruvananthapuram.
- Participated in the 8th Annual Conference of Indian Academy of Biomedical Sciences held at CSIR-NIIST, Thiruvananthapuram, Kerala during 25-27 February, 2019.
- Participated in the National Science Day celebrations 2019 held on 23rd February 2019, sponsored by KSCSTE, Govt. of Kerala & DST, Govt. of India and organized by Division of Cancer Research, Regional Cancer Centre, Thiruvananthapuram.
- Organized hands-on workshop on “Foldscope: The Origami-based Microscope and its Assembly” on 23rd February 2019 in connection with the National Science Day Celebrations 2019, held at the Division of Cancer Research, Regional Cancer Centre, Thiruvananthapuram.
- Participated in “National Workshop on Flow cytometry” organized by Inter University Centre for Genomics & Gene technology, Thiruvananthapuram during 12th to 16th March, 2018.
- Attended hands on training workshop on “Cell cycle & Apoptosis Assay” organized by Inter University Centre for Genomics & Gene technology, Thiruvananthapuram during 12th to 16th March, 2018.
- Participated in the hands-on workshop on “Foldscope: The Origami-based Microscope and its Effective use in Cancer” on 26th & 27th October, 2018 at the Division of Cancer Research, Regional Cancer Centre, Thiruvananthapuram.
- Participated in the on hand training on “Western blotting and its applications in protein research” organized by department of Botany and department of Biotechnology, Govt. Arts college, Thiruvananthapuram and funded by the Directorate of Collegiate Education, Govt. of Kerala held on October 20, 2017.
- Attended the Abcam seminar held at Rajiv Gandhi Centre for Biotechnology (RGCB) on 30th November, 2016 covering optimization techniques for immunohistochemistry (IHC), immunocytochemistry (ICC) and immunoprecipitation (IP).
- Attended national seminar on “Molecular Trends in Taxonomy and Biodiversity” organized by the Department

of Plant Science, Central University of Kerala, Kasaragod on 3rd March, 2014.

- Participated in the “Workshop on Research Methodology” organized by Nehru Arts & Science College, Kasaragod as part of Swasraya Bharat on 17th October, 2014.
- Attended the sixth national colloquium on “Evidence Based Integrative Medicine for Lymphatic Filariasis and other Chronic Dermatoses” on 8th to 10th December, 2013 conducted by Institute of Applied Dermatology and Life Science Foundation.

Awards/Scholarships

- Qualified CSIR-JRF on December, 2015 (Roll No. 365797)
- Post-graduate merit scholarship for University rank holder for the year 2013-15
- District merit scholarship scheme 2008-2009 for meritorious performance in the SSLC examination conducted in March 2008.

Extra-Curricular Activities

- 21st Junior National Baseball Championship (participant)–affiliated with International Baseball Federation, Baseball Federation of Asia.
- 20th Junior National Baseball Championship (participant)
- 20th Junior National Softball Championship (participant)
- 7th Kerala State Sub junior Softball Championship (state champion)
- 7th Kerala State Senior Baseball Championship (state second)
- 6th Kerala State Junior Baseball Championship (state third)
- 5th Kerala State Sub junior Baseball Championship (state third)
- Kerala Volley Ball Champion ship (state participant)
- Revenue Participant in 80m hurdles