



**UNIVERSITY OF MYSORE**

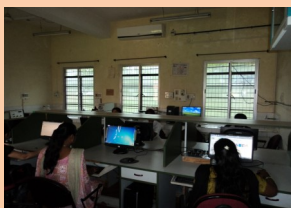
**DEPARTMENT OF STUDIES IN FOOD  
SCIENCE AND NUTRITION  
MANASAGANGOTRI, MYSORE**



The University of Mysore started M.Sc. course in Home Science in the year 1970 at the palatial mansion in Manasagangotri campus. This seed grew up as a tree of Department of Studies in Food science and Nutrition offering Post Graduate and Doctoral Degree Programs in Food Science & Nutrition and in Human Development. This is the only University offering postgraduate and Ph.D. courses in Food Science and Nutrition in Karnataka since more than four decades. The Master's program in Human Development was introduced in the academic year 1993- 94. The department celebrated Silver Jubilee in the year 1995.



The department is housed in its own academic building in the Manasagangotri campus since 1973 and got an extension wing under VIII U.G.C. plan (1993). A new building for housing Human Development course was built in 1999-2000.



The department has well equipped and furnished classrooms and staff rooms, an instrument room, Nutritional biochemistry and Food science laboratories. Research laboratories are equipped with various instruments – HPLC, Spectrophotometers (UV-Vis), Automated Protein Digestor, Flourimeter, Semi-auto analyzer, Moisture analyser, Viscometer, Freeze dryer, Rotary evaporator, Refrigerated centrifuge etc., computers with internet facility are available. Facilities of national institutions such as CFTRI, DFRL and NIN are also utilized for collaborative research work.



Late Dr. S. G. Srikantaiah, Former Director of the National Institute of Nutrition, Hyderabad, worked as honorary visiting professor (1980-89) and made substantial contribution to enrich and elevate the standards of research and teaching.



**Curriculum** – The two courses i.e. Food Science & Nutrition and Human Development are conducted under credit based and choice based system since 2010. They are interdisciplinary in nature and have wide avenues for teaching, research and outreach programs.

The core and supportive courses are as follows.

- **M.Sc. program in Food Science and Nutrition**

Hard core - Food Science and Processing, Nutritional Biochemistry, Community Nutrition, Human Nutrition, Food Laws and Food Safety, Food Preservation, Advances in Nutritional Science, Clinical Nutrition and Dietetics; Soft core - Nutraceuticals and Health Foods, Food Fortification, Food Biotechnology, Statistics and Research Methodology, Food Microbiology, Food Packaging Technology, Diet in Diseases; Open elective courses - Healthy Life Styles and Nutrition, Culinary Science – Principles and Techniques, Foods in Indian tradition.

- **M.Sc. Program in Human Development**

Hard core – Advanced study in Human Development, Theories of Human Development and Behaviors, Advanced Family Studies, Biostatistics and Computer application, Methods and Techniques of Assessment in Human Development, Children with Developmental Needs,

Organization and Administration of Early childhood Educational Institutions, Guidance and Counseling, Monitoring and Evaluation of Child and Family Welfare Programme; Soft core – Children with Developmental

Challenges, Childhood Behavioral Problems, Gerontology, Parent-Child Relationship, Mental Health, Genetic Disorder and Counseling, Human Rights; Open elective – Early Childhood Education, Adolescence–Problems and Guidance, Parenting in Childhood Years.

**Teaching, Learning and Evaluation-** Formal and informal methods are followed in the teaching along with a rich blend of audio and visual aids. Self learning opportunities for the students are provided through group interaction, seminar and report preparation, participation in community, etc. Evaluation is a continuous process throughout the semesters in the form of attendance, internal tests, seminars, assignments and final examination.

**Research activities-** Staff and students are engaged in research activities and publications. The department has to its credit 48 Ph.D. Degrees, 800 M.Sc. Dissertations, 500 research papers in reputed national and international peer reviewed journals and 600 scientific paper presentations in seminars, conferences. Several papers have received awards. The research activities are supported from CSIR, DST, UGC, UNICEF, National Drinking Water Mission and DRDO. UGC has sanctioned financial assistance under Special Assistance Program (SAP-1). 28 research projects have been completed and currently there are 5 on-going research projects. Faculty have won various awards for their research contribution to the subject. The department is engaged in clinical research in the area of diabetes, hyperlipidemia, renal disease and development of disease specific food formulations.

**Outreach program-** As part of the practical classes, students of Food Science and Nutrition carried out diet surveys, nutrition assessment and nutrition education in rural and urban areas and educational institutions. Students of Human development undertake educational awareness programs for parents of rural and urban slum areas, organize exhibitions and cultural events in nursery schools, Anganwadi centers and Home for senior citizens. The faculty are actively engaged in radio talks, television programs and public lectures. The staff and students have published leaflets, booklets to educate different sections of the population.

### Endowments Instituted

#### Food Science and Nutrition

- ◆ Dr. Padma Umapathy Gold Medal
- ◆ Manjula Suma Memorial Cash prize
- ◆ Late Dr. S G Srikantaiah Cash Prize
- ◆ Silver Jubilee Endowment Cash Prize
- ◆ Prof. Shashikala Puttaraj Endowment Cash Prize
- ◆ Prof. G. Saraswathi Endowment Cash Prize

#### Human Development

- ◆ Late Smt. Lakshmi Jayagopal Endowment Cash Prize





### Best Practices:

- Students acquire work experience under internship program.
- Research Exposure to M.Sc. Students under project and dissertation work.
- Students and Research scholars along with faculty members participate and present research papers in National and International level conferences, seminars, workshops organized by various academic forums.
- Students participation in community oriented activities as practical work
- Visits to National Research Laboratories, Food Industry, Hospitals, Governmental and Non-Governmental Organizations, Early Childhood Educational Centers, Centers for Challenged Children in the State.
- Educational Tour to various Colleges/Universities offering Human Development, Food Science and Nutrition program in India.

**Consultancy Service-** The faculty members of Food Science & Nutrition have been providing their expertise to food industries, hospitals, and the department of Women and child development under Govt. of Karnataka. The faculty members of Human Development have been extending child guidance services at Mysore University Day Care Centre and sharing their expertise with NGOs working for women and children, challenged children and with training institutes for ICDS functionaries.

**Student forums** – Nutrition society, Human development and Welfare Association have been established to provide platform for the students to exhibit their special talents and to promote their skills of curricular and co-curricular activities like celebration of special days, poster and seminar competition, sports and cultural activities. These forums also provide opportunities for students to interact with professionals of interdisciplinary fields through organizing special talks.

### Events Organized by the Department



**Dr. Khyrunnisa Begum, M.Sc. Ph.D.**  
Professor and Chairperson



**Dr. Jumuna Prakash, M.Sc. Ph.D.**  
Professor



**Dr. Asna Urooj, M.Sc. Ph.D**  
Associate Professor



**Dr. M. Komala, M.Sc. Ph.D.**  
Assistant Professor

Contact:

**The Chairperson**

Department Of Studies in Food Science and Nutrition

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