

Research at Under-graduate level

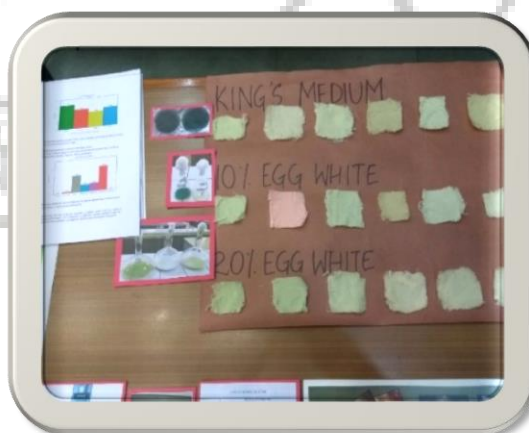
The Institute of Home Economics promotes involvement of undergraduate students in different research activities with the aim of inculcating scientific thinking, innovation and research aptitude in them. During the period, 2012-2015, the faculty was awarded 11 innovation projects funded by the University of Delhi aimed at developing research culture among students and encouraging interdisciplinary research in colleges. This gave an impetus to participation of students in research as each research project was of one year duration and involved at least three to four faculty members along with 10 students from different departments.

Some of the research areas selected for the above projects were microbial textile dyes, microbiological quality and safety of street foods, development of novel probiotics, air quality of Delhi schools and recycling of pre consumer textile waste. The students were also involved in report writing and publishing of research papers.

The college is gratified to state that as part of Star College Scheme by Department of Biotechnology, during the period 2017-2020, more than 40 minor projects were undertaken by undergraduate students, many of which were interdisciplinary in nature. Some of the research projects were on themes such as microbial quality of water, indoor and outdoor aeromycoflora of metro station, life style changes associated with PCOD, adulteration in spices, natural of mordants & dyes in textiles, new generation textile fabrics, implementation of food safety requirements in college cafeteria, air pollution tolerance index of different plant species. The participation of under-graduate students in research helped them in learning about various stages in research including review of literature, developing research protocols, research tools, data collection, resolving functional & technical issues in carrying out experimental research and data analytics. This also provided myriad opportunities to students to present their work at different platforms. Several students from the college won prizes in research presentations motivating them to undertake research as a career.



Microbiological analysis of drinking water in Hauz Khas



Extracting fungal pigments for textile dyeing



Distribution of aero-fungal spores at metro station



Use of curcumin as a direct dye and its application on home-made mask




Implementation of food safety, health and sustainability requirements as per FSSAI's Eat Right Campus in IHE Cafeteria

PROJECT ON

"Spectroscopic analysis of anthocyanin pigment of jamun (*Syzygium cumini*) and to study the effect of pH and temperature on it"

Skill Enhancement Course

Performed By:



Analysis of effect of pH and temperature on Anthocyanin pigment of *Jamun*