



# BIRAC E-YUVA Centre

(Empowering Youth for Undertaking Value Added Innovative Translational Research)

## About the Institution

PSGR Krishnammal College for Women, Coimbatore (KCW) was established in 1963 with a motto of 'empowering women through education'. KCW is an autonomous institution, affiliated to Bharathiar University, Coimbatore. It is ranked #7 among colleges in the country in 2024 by the NIRF. The college is accredited by NAAC with the highest A++ grade, certified 'College of Excellence' by UGC. KCW is home to 8,500+ students and 425+ faculty members.

The Centers of Excellence in Life Sciences, Material Sciences, Commerce professionals and Apparels, Made-ups and Home Furnishings are engaged in cutting-edge research in emerging fields of study. All the science departments have been recognized with 'Star Status' by the DBT. Interdisciplinary research in sciences is augmented through the support of the DBT-BUILDER, DST-FIST, DST-CURIE. KCW has been recognized as a Nodal Training Institute under the Agri-Clinics & Agri-Business Centers (ACABC) programme launched by the Ministry of Agriculture and Farmers Welfare, Government of India, in association with NABARD. A Rural Women Technology Park (DST-sponsored) has been launched to empower women in rural areas through technology transfer and entrepreneurship. The College is a recognized Skill Satellite Centre under DSIR. Over the last 60 years, the GRG Brand has come to signify excellence in education in South India with more than 1,00,000 alumnae spread across 25+ countries around the globe.

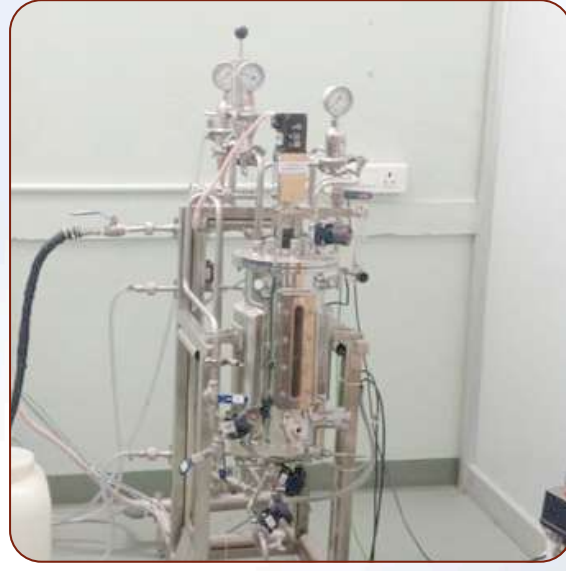
## About the BIRAC E-YUVA Centre at PSGR Krishnammal College for Women

BIRAC E-YUVA Centre at PSGR Krishnammal College for Women is one of the 20 E-YUVA centres in India. The centre was established in 2021 with support from BIRAC. The vision of the centre is to stimulate, foster and empower students with a culture of applied research and enhance need-oriented innovation capabilities among young students and researchers for creating affordable solutions addressing the needs of the society. This centre acts as a pre-incubation space providing infrastructure and equipment for basic research and experimentation by selected students. Golden Jubilee Biotech Park for Women Society is the BioNest Knowledge Partner of the centre. The tenure of the Centre has been extended till 2026 by BIRAC and onboarded our 2nd batch of E-YUVA and Innovation Fellows successfully.

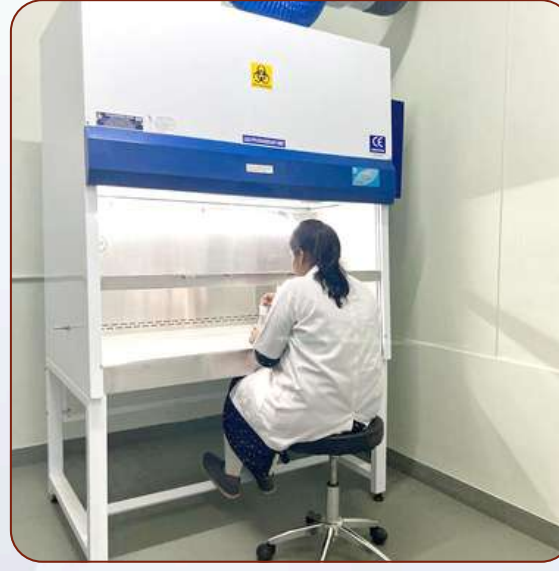
# Infrastructure Facilities



Main laboratory



Fermentation unit



Culture room



Innovation fellows workspace



DBT-Builder laboratory



GRG FQTL



Ultra centrifuge



HPLC



Nanoparticle Tracking Analyser



Nanodrop

## FOCUS SECTOR : Industrial Biotechnology (Products and Processes)

### PRODUCTS DEVELOPED BY FIRST BATCH OF E-YUVA FELLOWS

#### Team 1

Healthy Probiotic jelly using arrowroot powder



#### Team 2

Spent Mushroom Briquettes

IP Generated



#### Team 3

Nutrition rich dehydrated vegetable

IP Generated



#### Team 4

Bacterial cellulose based retort pouches for food packaging



#### Team 5

Fungal based biodegradable packaging material



### FIRST BATCH OF INNOVATION FELLOWS

#### Dr. RACHANA SHARMA

Development of Pilot Scale Production of Thermostable Alkaline Protease Enzyme

Products: Larval feed

#### Dr. CHAYANIKA SARMA

Development of Fibre Rich Probiotic Drink.

Startup : GutHealth Bioline Pvt. Ltd.  
Products: Non-dairy probiotic drink

IP Generated

#### Dr. MARUVOOR ARASI

Clinical Applications of Rutin and Chlorogenic Acid as a Vasodilator

Startup : Vaso Credentiaa Bhairavi Pharma Pvt.Ltd.  
Products: Vasodialator

IP Generated

### SECOND BATCH OF INNOVATION FELLOWS

#### Dr. DHIVYA S

Solar-Powered Microbial Synthesis of 2,3-Butanediol from Wastewater Using Semiconductor Biohybrids for Industrial Applications

#### Dr. GEETHADEVI C

Bioactive Hydrogel Matrices: A Promising Approach to Diabetic Wound Management

#### Dr. NISHAA S

Synbiotic Milk- A fermented Non-dairy milk?

### For Further Details

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