

Additional Information

INTERNATIONAL COLLABORATIVE RESEARCH PROJECTS AND MAJOR RESEARCH DIRECTION OF THE COLLEGE

At present Govt. V.Y.T. PG. Autonomous College, Durg is involved in three International Research Projects.

1. DEPARTMENT OF CHEMISTRY

Title- Ultrahigh- Efficiency lead free Perovskite Solar Cells.
Between- Department of microelectronics, Technical University of Sofia, Bulgaria
&
Department of Chemistry, Govt. V.Y.T. PG. Autonomous College, Durg, India
Under this programme we are trying to develop lead free solar cell.

2. DEPARTMENT OF BIOTECHNOLOGY

Title- Genetic Profiling of rare genetic diseases from population of Chhattisgarh, India.
Between- 3 billion Company, Seoul, Republic of South Korea
&
Department of Biotechnology, Govt. V.Y.T. PG. Autonomous College, Durg, India

Under this project we are evaluating responsible gene for monogenetic disease, renal dysfunction, and immunological disorders in population of Chhattisgarh.

3. DEPARTMENT OF BIOTECHNOLOGY

Title-	Study of Mosquito Fecundity and Malarial Infestation among population of Dantewada (Bastar), Chhattisgarh, India
Between-	Foldscope Company of USA through Department of Biotechnology and Government of India
	&
	Department of Biotechnology, Govt. V.Y.T. PG. Autonomous College, Durg, India

Under this project the correlation ship among mosquito fecundity, malarial infestation and Sickle Cell Anemia have been investigated by using Foldscope.

The major direction of Research in the college is as below mentioned-

1. Luminescence based research.
2. Material Science based research.
3. Non-conventional source of energy-based research.
4. Aquatic pollution control measure and limnology-based research.
5. Nanoparticle based research.
6. Cyanobacterial diversity and cyanotoxin based research.
7. Biodiversity and Aquaculture based study.
8. Monogenetic disease (Sickle Cell Anemia/ Thalassemia/ G6PD deficiency) based study.
9. Scientific validation of traditional knowledge-based research.
10. Sustainable exploitation of natural resource-based study.
11. Genomic research of population from our society.
12. Fish genomics study.
13. Anthropogenic study related to children, female and tribal health.
14. Anthropogenic study related to personality, alcoholism, social abuse and witchcraft etc.
15. Study related to specialized socio-economic practice and effect of new alterations on them.

16. Study related to tribal language, culture and transformation in their socio-economic and political scenario.
17. Study related to various historical episodes and monuments preferentially from state.
18. Study related to existing status and impact of new legal alterations on trade and livelihood.
19. Study related to eminent personalities of Literature, Arts, Culture and Historian of Chhattisgarh.
20. Environment and Climate change-based research.



प्राचार्य
शास.वि.या.ता.स्नात.स्वशासी महावि.
दुर्ग (छ.ग.)