

**RUSA Sponsored  
Interdisciplinary Two Day  
National Seminar  
ON**

**'RECENT ADVANCES IN SCIENCE AND  
TECHNOLOGY FOR SUSTAINABLE  
DEVELOPMENT'**



**16th & 17th September 2022**



**Organised By  
Department Of Chemistry &  
IQAC  
GOVERNMENT DEGREE COLLEGE  
FOR WOMEN, KARIMNAGAR**

**(Accredited by NAAC with ' B+' Grade and ISO  
9001-2015 certified institution)**

**KASHMIR GADDA, Dist. KARIMNAGAR, TELANGANA  
(Permanently affiliated to Satavahana University)**

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**Registration And Abstract Submission**

**Last Date for Abstract Submission:10th Sept 2022**

**Last Date for Registration: 15th Sept 2022**

**For Registration**

<https://forms.gle/Q2SjjBELNSqUzShp9>

**Registration Fee**

For Faculty and Industry Rs. 500/-

For Students & Scholars Rs. 200/-

Account No: 62047349489

Name of the Account Holder: G. Srinivas

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## ABOUT THE INSTITUTE

Government Degree College for Women, Karimnagar, was established in the year 1973, as one of the pioneering colleges in Karimnagar, with the motto of 'Empowering Women through Education' and with the noble cause of catering to the higher educational needs of downtrodden, socially deprived women students with rural background. This college was housed in former Basic Training School in the landscape of 9.5 acres. Started with a meagre strength of 262 students and with two Groups, B.A. and B.Sc., it has grown in leaps and bounds and stands in a large green campus with 34 Classrooms, Library, 11 Laboratories, 4 Computer labs, 2 TSKC labs, Administrative Block, Gymnasium, two seminar halls, an Auditorium and 2 Hostels. The college is now imparting education to more than 2500 students belonging to all religions, castes and creeds in different disciplines of Arts, Commerce and Sciences and offering 28 UG courses, 4 PG courses. The college has highly qualified and experienced teaching faculty to cater quality education to the diversified needs and demands of the socio- economically weak women students especially from rural areas.

## ABOUT THE SEMINAR

Today technology has progressed by leaps and bounds in all fields. Countries around the world are building models of sustainable growth based on the assumption that technology can help them create new or alternate sources to the resources that are depleting.

The other idea is that science can help us find ways to reuse the remaining resources in an efficient way. Research is the key to finding the ways to harness science and technology to fulfil the need for sustainable development. Educating

yourself with the latest developments in sustainable sciences is a good place to start.

This Seminar aims to provide a platform for the convergence of scientists, academicians, industry personnel and the environmentalists from all over the nation to explore and convey the comprehensive, reliable reviews of important contemporary research findings in Science and Technology. The opportunities and challenges to the researchers in conducting the innovative research work will be explored. Finally, it exposes the larger face of Science and Technology to Graduate and Post Graduate Students and motivates them into the research in Sciences.

## ABOUT KARIMNAGAR

Karimnagar is Telangana's fourth largest city. Karimnagar is named after Syed Karimuddin, who is considered to be its founder. The Satavahana Kingdom's initial capital was located in Kotilingala in the Karimnagar district (230 BC–220 BC).

The city is located on the Manair River, a tributary of the Godavari. The Lower Manair Dam is a wonderful tourist attraction. There are a number of pilgrimage sites to visit near Karimnagar like Sri Raja Rajeshwara Swamy temple in Vemulawada, Lakshmi Narasimha Swamy temple in Dharmapuri and Anjaneya Swamy temple in Kondagattu etc.

## THEMES

- 1.Agriculture and Climate Change.**
- 2.Biodiversity and Conservation**
- 3.Bio-Technology for sustainable development in plants.**
- 4.Discovery and Development of new drugs**
- 5.Industrial Chemistry & Solid Waste Management**
- 6.Pure and Applied Mathematics**
- 7.Material Science**
- 8.Technology Enabled Library Services**
- 9.ICT enabled class room teaching.**
- 10.Soft Computing..**

## OBJECTIVES

- 1.To explore the research and developmental activities in the recent past in Science and Technology.
- 2.To bring together leading academicians, scientists, researchers, environmentalists, industry personnel and students to exchange and share their knowledge and research results about various aspects of science and technology through lectures and presentations.
- 3.To create an opportunity for the budding researchers to interact with the experts from diversified fields.
- 4.To enhance scientific tempo among the students and motivate them to choose basic research in Physical and Life sciences as their career.
- 5.To highlight the current trends in Science and Technology that will pave the way for sustainable development.

## CALL FOR PAPERS

Original Research Papers are invited on any of the subthemes for oral and poster presentations in the seminar. The abstract shall not exceed one page (A4 size) typed in MS word Times New Roman with title of font size 12, bold capital letters, centered: Author(s), Name(s) in the 11 font size, presenting author under lined: affiliation and address (with email) in the 12 font centered with 1.5 spacing. The abstract should clearly indicate the objective, methodology, results and significance of the study. Poster should be with 1 x 1 meter dimensions.



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