

“Recent Advances in Material Science Research” (RAMSR-2024)

29 & 30 January 2024

• ABOUT COLLEGE

The college was established in 1965 under private management and subsequently taken over by Government of Andhra Pradesh in 1976. The College has campus area 4.5 acres and built up area 5,542 sq.mts. The college acquired RCC roofed permanent building with 2 floors and has 25 class rooms and 15 well equipped laboratories. The college got 2(f) in May 1966 and 12 (b) in March 1988 and is permanently affiliated to Kakatiya University, Warangal-Telangana. There are 17 departments with Conventional and Restructured UG courses including 3 PG courses. Our college has been reaccredited by NAAC Bangalore with “A” grade in July 2018 (3.03 CGPA).

This is the only Government Degree College in the entire District exclusively catering to education needs of women. Intune with changing global trends and market demand the institution has been constantly striving to include latest curriculum and update teaching and learning resources. As per stakeholders' demand Institution is striving to include technology enabled class rooms, update and renovate existing resources and has the potential to become a pioneer institute imparting value based education to women.

Department of Physics

Department of Physics is one of the oldest departments in this college. It was started along with the inception of Government Degree College For Women Khammam in 1965. The department consists of three big well equipped laboratories, one Research Laboratory. The Under Graduate curriculum contains Mechanics, Electromagnetism, Optics, Heat and Thermodynamics, Electronics and Modern Physics and also Nano-Science and Technology, in such a way to compete in academic and industrial areas at national and international scenario

Theme of the Seminar

New materials, such as new energy materials and information materials, are at the heart of the innovative technological revolution, as well as the strategic highland of severe global struggle. Traditional material research and development makes use of existing theory and knowledge experience to locate materials that satisfy the needs via characterization tests and inspection by modifying material ratio. This process, however, is time-consuming and time-consuming; it often takes ten to twenty years from design, research, experimentation, optimization, and characterization to integration and application, making it difficult to fulfil the needs of the industry's rapid development for new materials. With the advancement of science and technology, developing materials on demand and precisely managing material properties have become advanced material development trends.

Therefore, the proposed National seminar on “Recent Advances in Material Science Research”- (RAMSR-2024) aims to have a greater understanding of physics research and its applications to promote new industrial innovations and to interact with the leading academics, scientists, researchers, industry personnel to exchange and share their knowledge and research results about all aspects of health and Environmental protection through lectures and presentations. During this seminar, it is expected that challenges encountered and the solutions to be adopted in sustainable development and Human health and environmental protection would be discussed. We sincerely hope that the seminar will help the students as well as the faculty members for a greater understanding of the world of physics research.

The seminar will focus on the following key areas.

- Synthesis of Materials (Nanomaterials, Biomaterials, Electronic, optical, and magnetic materials)
- Biomaterials and their applications
- Organic and Inorganic Chemistry
- Nano-materials and their characteristics
- Green Synthesis methods of materials
- Natural Products
- Environmental Physics
- Smart Materials & Technologies
- Nano-Composite materials for Sustainability
- Functional Materials like Polymers and Ceramics
- Fossil Fuel materials & Renewal Energy Materials

• Call for Abstracts / Papers

Professionals, scientists, faculty, and research scholars are invited to submit original contributions of ongoing/completed unpublished research work. A soft copy of a one-page abstract in MS Word format, with the title in capital letters (Times New Roman, font size 14), authors (font size 12 in bold), and affiliations (font size 12 in italic), followed by the abstract in brief, including text, scheme, table, and references.

Soft copy of the abstract/paper should be mailed to ramsr2.2023@gmail.com

Poster Dimension: The poster for presentation should be 80 cm x 120 cm

To memorialize the occasion, accepted abstracts/papers will be published in the form of seminar proceedings (Souvenir) with ISBN numbers. A special issue of the souvenir featuring full papers/extended abstracts of oral and poster presentations, plenary/invited speeches, and advertising will be printed and delivered to all registered delegates, advertisers, and sponsors.

Contact: Dr. R Praveen, Asst. Professor of Physics

Mobile: 8886677848

Mail ID: ramsr2.2023@gmail.com

**Organised by
Department of Physics
Government Degree College For Women,
Khammam**



**Government Degree College For Women Khammam
NAAC 'A' Grade**

Chief. Patron



Chief. Patron: Sri. B. Venkatesham IAS
Secretary to Government Higher Education Department
& Commissioner of Collegiate Education, Telangana



Patron / Chairman: Dr. G. Padmavathi
Principal, Govt. Degree College For Women, Khammam

Convener: Dr. R. Praveen Asst. Professor of Physics

Contact: 8886677848, ramsr2.2023@gmail.com

Co-Convener: Dr. S. Rakesh, Asst. Professor of Chemistry

Organizing Secretary: Sri G. Rama Kumara Swamy,
Assistant Professor of Zoology

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Gulbarga University

Prof. **Mahaveer Singh**, Department of Physics, Himachal Pradesh University, Shimla

Dr. **S. Neeleshwar**, University School of basic and applied Sciences, Guru Gobind Singh Indraprastha University, New Delhi

Important Dates

Submission of Abstract 22 January 2024

Submission of full paper 22 January 2024

Communication of Acceptance 24 January 2024

Last Date of Registration through online mode
24 January 2024

Date of Seminar 29 & 30 January 2024

Registration Fee

Research scholars and students 200 /-

Faculty/Teachers 500 /-

PhonePe / Google Pay number: 8886677848

Registration link

https://docs.google.com/forms/d/e/1FAIpQLSfoJSf03G6ORyw5OzQk-otfimR9GLgkrUMzsqyexYUUEEQFmA/viewform?usp=sf_link

Spot Registration is also available at the VENUE



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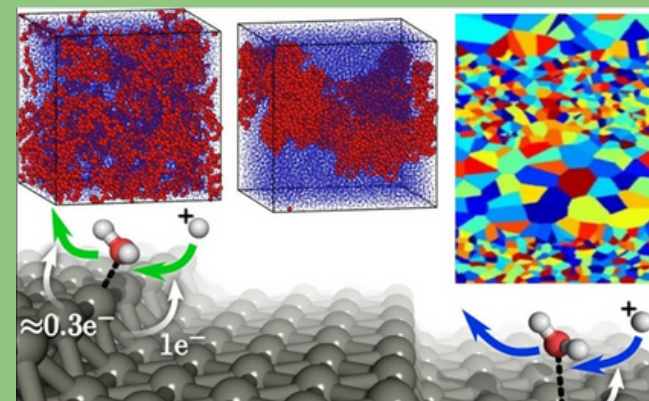
R PRAVEEN



Two-day National seminar on “Recent Advances in Material Science Research”- (RAMSR-2024)

Sponsored by TSCHE

29 & 30 January 2024



Organised by
Department of Physics
Government Degree College For Women
Khammam
NAAC 'A' Grade
Khammam, Telangana 507003, India



VENUE:
Auditorium
Government Degree College For Women
Khammam
Telangana