Brochure

About the Institution

This college was announced in 1905 by His Highness, Maharaja Sir Pratap Singh, a benevolent ruler and a great visionary of his times, who created this as the first institution of higher learning in the entire Jammu region. It was first named as "Prince of Wales College" to commemorate the visit of His Royal Highness Prince of Wales (the future King George V) to Jammu. The college started functioning from the Ajaibghar building (the present Legislative Assembly) on 20th April 1907, with 26 students on its roll and Prof. R.N. Mukerjee as its officiating principal. It was affiliated to Punjab University, Lahore in May 1908 with courses in Science, Humanity, and aArts. The foundation stone of the present building was laid down by Sir Francis Young husband, the then Resident of Kashmir on 16th December, 1910. The college was shifted to the present campus on 18th September 1912 and started to excel academically. Post-independence, in 1954, the college was renamed as Govt. Gandhi Memorial Science College as it exclusively started catering to science subjects. The college is recognized by UGC under Section 2b & 12f of the UGC Act (1956) and remained affiliated to the University of Jammu, Jammu until 2017 when it became one of the constituent colleges of Cluster University of Jammu (CLUJ). The college has evolved progressively through its rich cultural heritage and is striving for recognition as an institution with "Potential for Excellence".

Patron

Dr. Ravender Kumar Tickoo

Principal
Govt. Gandhi Memorial Science College, Jammu, J&K (UT)

Organisers

Dr B. Mahajan (Asst. Prof.)

Dr R. K. Gupta (Asst. Prof.)

Dr D. Mahajan (Asst. Prof.)

Dr J. Singh (Asst. Prof.)

Ms M. Gupta (Asst. Prof.)

Talk Abstract

Graphene is an atomically thin hexagonally packed carbon atoms with amazing electrical, mechanical and optical properties. In the last decades, graphene and graphene-like other 2D materials such as phosphorene, hexagonal boron nitride, Mxene, antimonene have attracted great interest in the development of new and advanced protective coatings due to their excellent chemical resistance, electrical and thermal conductivity, impermeability to gases, high specific surface area, adsorption capacity, anti-bacterial properties, mechanical strength, lubricity and thermal stability. The presentation will summarise the coating outcomes (IPs and journals) generated by the ARC Research Hub for Graphene Enabled Industry Transformation and current progress in the area. The presentation will relate their applications in the field of corrosion-resistant coatings, flame retardant coatings, wear/scratch-resistant coatings, icing/de-icing coatings, anti-fouling coatings, pollutant adsorption coatings and anti-septic coatings.

Speaker:

Dr. Md J. Nine is an early-career research fellow and teaching staff based in ARC Research Hub for Graphene Enabled Industry Transformation, University of Adelaide, Australia. After finishing his bachelor's degree from Khulna University of Engineering & Technology, Bangladesh in 2009, he worked under the Second Phase of Brain Korea21 (BK21) and received a Master of Engineering degree from Gyeongsang National University, South Korea in 2012. In 2017, he was conferred his PhD degree on "Graphene-based multifunctional coatings" from the School of Chemical Engineering, University of Adelaide, Australia.

Dr. Nine's current research interests involve colloids and interfaces for the synthesis and application of multifunctional inks and coatings based on graphene and graphene-like other 2D materials. The applications of coatings are not limited to self-cleaning, corrosion-resistant, fire-retardant, acoustic insulation, anti-bacterial, radiation shielding and sensing.

He was awarded the Doctoral Research Medal as well as Postgraduate Alumni University Medal for outstanding research at PhD level in the University of Adelaide. He was also awarded Carbon Journal prize-2018 for an outstanding PhD thesis in carbon materials science and technology. His PhD works generated three intellectual properties (IPs) on graphene technology, and two of them was licenced to Australian industry partners. He has published 55 scientific journal papers, 3 patents, 3 book chapters, >15 conference presentations in the area of colloids and interfaces, including graphene and other carbon nanomaterials, which generated ~2800 citations with an h-index of 27.

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Registration: https://forms.gle/HuCMiSfpNdRYdx4X7

Webinar will be delivered through Zoom App Platform
Lecture Date & Time: 2:00 PM on 28h Feb, 2022
Meeting ID and Password will be mailed before one hour of the start of Lecture;

2nd International Lecture

(Science Day Special Lecture)

on

2D materials in Advanced Functional Coatings and Films

By

Md Julker Nine, PhD
University of Adelaide, Australia

Organized By

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Jammu & Kashmir

GGM Science College, Jammu

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