



**Post Graduate & Research
Department of Chemistry
Union Christian College, Aluva**



**Dr. A. M. Chacko
Memorial
Lecture**



**"Hybrid
structural
composites"**

Dr. Anoop Anand

(SCIENTIST
*Composites Research Center,
Re&DE(E)- DRDO
(Ministry of Defense),
Alandi Road, Pune*)



<https://meet.google.com/miu-zide-auc>



**February 19, 2022
Saturday
11 am**



About the speaker

Dr. Anoop Anand is currently a Scientist with Defense Research and Development Organization (DRDO). He received his Master's degree in Chemistry from University of Calicut in 2002, and subsequently PhD in Polymer Technology from Cochin University of Science and Technology in 2007. Prior to joining DRDO in July 2008, Dr. Anand worked with GE Global Research, Bangalore and Amrita Institute of Medical Sciences, Kochi. He is a recipient of DRDO Young Scientist Award in 2011, SPSI Best PhD thesis Gold Medal in 2007 and Dutch Government's MHO-NUFFIC fellowship for PhD research at Technical University of Eindhoven in 2004. He is a member of the governing council of Bombay Textile Research Association, and a Life member of Asian Polymer Association (APA), Indian Society for Advancement of Materials and Process Engineering (ISAMPE), Institute of Smart Structures and Systems (ISSS), Materials Research Society of India (MRSI) and Society for Polymer Science, India (SPSI). He has 27 peer-reviewed international journal articles, one US-European-Indian patent and two book chapters to his credit and presented his work in over 50 conferences. His current areas of research are Structural composites, Nano/Hybrid composites, Stealth, and Electrospinning.

About the talk : Hybrid structural composites

The talk shall start with a concise introduction to structural composites and their use for primary load bearing applications. Emphasis will be on cost-effective out-of-autoclave manufacturing methods toward realizing large and thick products with complex contours. Work on development of hybrid composites for functional applications will be discussed. Use of electrospun polymer nanofibers interleaved in laminates to result in improved interlaminar fracture toughness properties shall be presented.



Dr. A.M. Chacko

Dr. A. M. Chacko served as Principal, Manager, Head of the Department of Chemistry, Warden, Teacher and Administrator of Union Christian College, Aluva. Above all, he has been a friend, philosopher, mentor and guide to generations of students who passed through the portals of the institution. He joined the Chemistry Department as Faculty in 1958. His absolute commitment to the college for more than six decades, competence and efficiency in different roles and unwavering fidelity to the ideals and values of the Founding Fathers, made him a stalwart whose memory inspires generations associated with college. Keeping an extraordinary simplicity in personal life, Chacko sir enriched and motivated students and colleagues abundantly with his faith in God, unfailing vision in the fellowship mode of life and administration of the college. He made his signature from international partnerships to teacher - student relationships, the cornerstones of Union Christian College. After several years of his meritorious service he passed away at the age of 84 in December 2018.

Programme Schedule

11.00 am: Welcome Address

Ms. Minu Joys (HOD, Department of Chemistry)

11.05 am: Presidential Address

Dr. Thara K. Simon (Principal)

11.10 am: Introduction of the Speaker

Dr. Neison Joseph P. (Assistant Professor)

11.15 am: Dr. A. M. Chacko Memorial Lecture

Dr. Anoop Anand
(Scientist, Composites Research Center, Research and Development Estt. (Engrs.), Pune.

12.15 pm: Vote of thanks

Dr. Sunil Sekhar A. C. (Assistant Professor)

Organizing Committee

Dr. Thara K Simon (Principal)

Ms. Minu Joys (HOD)

Dr. Jenish Paul

Ms. Smitha Roy

Dr. Simi Pushpan K.

Dr. Ajalesh B. Nair

Dr. Nelson Joseph P.

Dr. Neethumol Varghese

Dr. Divya Susan Philips

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