


Name of the Department: **Physics**

Name of the Faculty		Dr. G.Rajkumar			
Designation		Professor and Head			
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Qualification		UG	B.Sc.	Physics	
		PG	M.Sc.	Physics	
		PG-2	M.Tech.	Nano Technology	
		Ph.D.		Bioactive Glass	
Specialization/ Major areas of Research		Acoustics and Ultrasonics, Bioactive Glasses and Glass ceramics, Nano Metal Oxide, Solar Cell, Perovskite Material, Phosphate Glasses			
Experience		Teaching: 21 Years	Industry: 7 Years	Research: 18 Years	
Professional Memberships		ASI, ISTE			
Papers Published in Journals		International : 10		National : Nil	
Papers Presented in Conferences		International : 2		National : 6	
Citations : 70		h-index : 5		i-10 index : 3	
Awards / Achievements / Funded Projects / Consultancy					
List of Patents					
Patents Granted					
<ul style="list-style-type: none"> ✚ Method of manufacturing nanosilver with controlled size and shape Patent No. 249056 on 28-09-2011 ✚ Titanium added fluorophosphate glasses and method of making thereof Patent no. 306973 on 07-02-2019 					
Patents filed					
<ul style="list-style-type: none"> ✚ Silver added fluorophosphate glasses and method of making thereof. (Ref.No. 5760/CHE/2013) ✚ Bioactivity of fluorophosphate glasses and method of making thereof. (Ref.No. 5761/CHE/2013) ✚ Zirconium added fluorophosphate glasses and method of making thereof. (Ref.No. 5762/CHE/2013) ✚ Magnesium added fluorophosphate glasses and method of making thereof. 					

(Ref.No. 5989/CHE/2013)

✚ Zinc added fluorophosphate glasses and method of making thereof.
(Ref.No. 5990/CHE/2013)

✚ Strontium added fluorophosphate glasses and method of making thereof.
(Ref.No. 187/CHE/2014)

Awards

✚ MIRC-ASA (Madras India Regional Chapter–Acoustical Society of America) best paper award in the year 2010 for the paper entitled “Structural changes and mechanical properties of Ag₂O added phosphate based glasses” authored by G. Rajkumar and V. Rajendran.

✚ MIRC-ASA best paper award in the year 2009 for the paper entitled “Physico-chemical and mechanical properties of MgO added bioactivity glass system using ultrasonics” authored by G. Rajkumar and V. Rajendran.