DEPARTMENT OF PHYSICS

Monthly News Letter - 2021

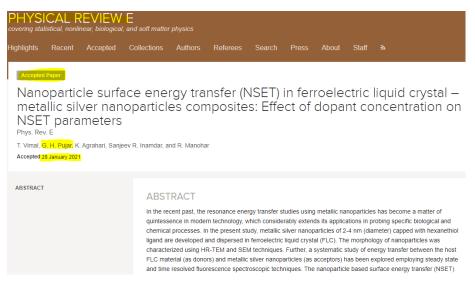
January 2021

 "Certificate of Grant Innovation PATENT": Dr. G H Pujar (Asst. Professor & Head, Dept. of Physics & CoE) and Dr. Santhosh B M (Asst. Professor, Dept. of Chemistry) have received 'Certificate of Grant Innovation PATENT' from Indian Govt. on 8th Jan. 2020.

PATENTS I DESIGNA I TRADE MARKS GEOGRAPHICALI INDICATIONS		Controller General of Patents,Designs and Trademarks Department of Industrial Policy and Promotion Ministry of Commerce and Industry
	Application Details	
APPLICATION NUMBER	202141000258	
APPLICATION TYPE	ORDINARY APPLICATION	
ATE OF FILING	04/01/2021	
PPLICANT NAME	1 DR. GONIBASAPPA PUJAR 2. DR. PRAKASHI K.K. 3. DR. SANTHOSH B M 4. DR. MANJUNATHA S 5. DR. VIRUPAXAPPA S BETAGERI 6. DR. GURUMURTHY D M 7. DR. PAVAN K J 8. DR. M.KANAGARATHINAM 9. DR.C. BOOPATHI 10. DR. RAMAPPA RAGHAVENDRA 11. DR. ONKARAPPA H S 12. DR. ADARSH K S	
TLE OF INVENTION	Enhanced Storage Method of Gravitational Energy to Manage Renewable Resources	
D OF INVENTION	COMPUTER SCIENCE	
/AIL (As Per Record)	sjgawande@gmail.com	
EQUEST FOR EXAMINATION DATE		
PUBLICATION DATE (U/S 11A)	08/01/2021	
	Application Status	
APPLICATION STATUS	Awaiting Request for Exam	nination
		View Documents
Filed Publi	ished RQ Filed Und	der Examination Disposed

"Paper Publication @ Scopus International journal": Dr. G H Pujar (Asst. Professor & Head, Dept. of Physics & CoE) published a collaborative research article (With Lucknow University, Lucknow, Utter Pradesh) in the Scopus International journal published by AIP - 2021.

Title: 'Nanoparticle Surface Energy Transfer (NSET) in Ferroelectric Liquid Crystal-Metallic Silver Nanoparticles Composites: Effect of Dopant Concentration on NSET Parameters'





3. "Paper Presentation @ International Conference": Dr. Swaroop K. (Asst. Professor, Dept. of Physics), presented a research article entitled 'Swelling and Mechanical Properties of ZnO/PVA Hydrogel Nanocomposites Synthesized using Gamma Irradiation Technique' in the virtual International Conference on Recent Advances n Nanotechnology and Material Sciences (ICRTNM-2021) organized by St. Joseph's College for Women, Alappuzha, Kerala during 18th to 20th January 2021.

+ 2	INTERNATIONAL E-CONFERENCE ON RECENT TRENDS IN NANOTECHNOLOGY AND MATERIAL SCIENCES
	(ICRTNM -2021)
	POST GRADUATE DEPARTMENT OF PHYSICS
	St. Joseph's College for Women, Alappuzha, Kerala, India
	Coertification
ha	as presented a paper entitled "Swelling and Mechanical Properties of ZnO/PVA Hydrogel Nanocomposites Synthesized using
G	amma Irradiation Technique" at the International e- Conference on Recent Trends in Nanotechnology and Material Sciences
	CRTNM-2021) organized by the Department of Physics, St. Joseph's College for Women, Alappuzha, Kerala, India, from murry 18-20, 2021.
Lat	Marieli Marris Binuy 1th
Dr. Rita Lath	
Princi	pal Convener
	CERTIFICATE ID: ICRTNM-2021-00105

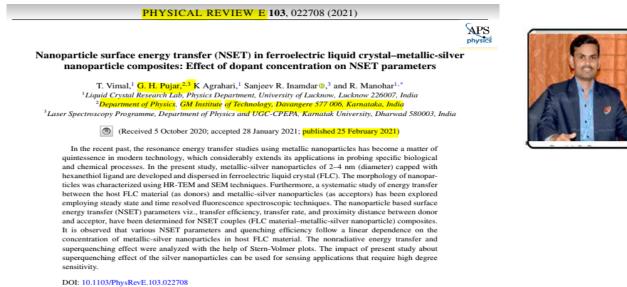


February 2021

1. "Paper Publication @ Scopus International journal":

Dr. G H Pujar (Asst. Professor & Head, Dept. of Physics & CoE) published a collaborative research article (**With Lucknow University, Lucknow, Utter Pradesh**) in the Scopus International journal published by American Physical Society (APS) -2021. Impact Factor: 2.293

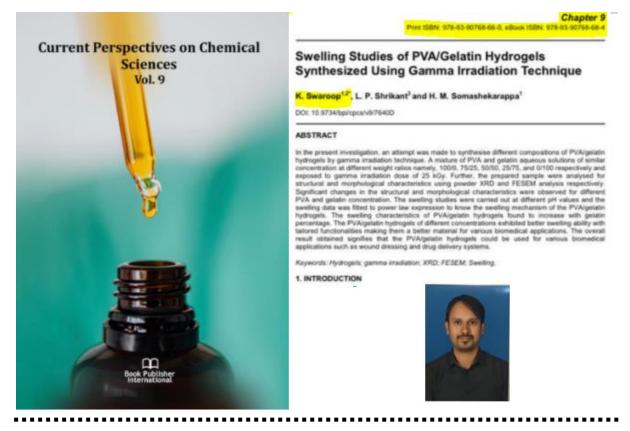
Title: 'Nanoparticle Surface Energy Transfer (NSET) in Ferroelectric Liquid Crystal-Metallic Silver Nanoparticles Composites: Effect of Dopant Concentration on NSET Parameters'



2. "Paper Publication @ Scopus International journal":

Dr. Swaroop K (Asst. Professor Dept. of Physics) published a Chapter in the book entitled 'Current Perspectives on chemical Sciences' (with **Mangalore University, Mangalore** and **KSHEMA, NITTE university**, Mangalore) published by Book Publisher International-2021.

Title: 'Swelling Studies of PVA/Gelatin Hydrogels Synthesized using Gamma Irradiation Technique'



March 2021

1. Keynote Speaker @ National Level Conference

Dr. Swaroop K (Asst. Professor Dept. of Physics) delivered a **keynote address** in National conference on "Recent Trends in Applied Aspects of Biological Science-2021 (NCRTAABS-2021), PGS College of Arts and Science, Coimbatore on 19th and 20th March 2021.

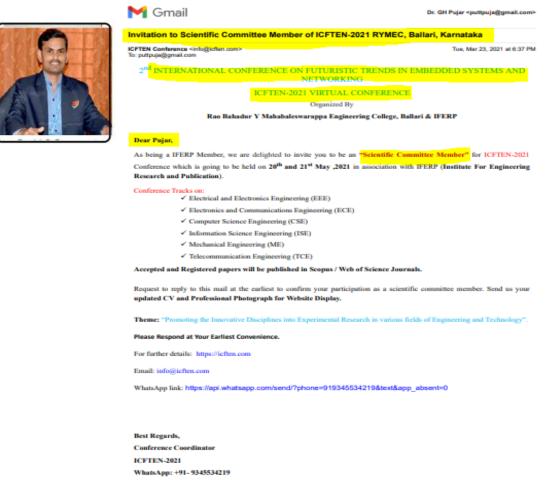
Title: 'Radiation Assisted Hydrogel Nanocomposites for Biomedical Applications'

Exercited	PSG COLLECE OF ARTS & SCIENCE An Autonomous Callege-Affiliated to Bharathy University Accredited with 'A Grad by NAAC (3 ^d cycle) College with Potential for Excellence (Bitus awarded by DB1/ABIT An SIGO 2012 2015 Certified Institution Collman and Conference on "Recent Trends in Applied Aspects of Biological Sciences -2021" (NCRTAABS -2021) Certificate of Appreciation-Keynote Speaker			
Karnataka -577002 has delive	red the Keynote address in the Two o	days Virtual National Conference on "Rea	cent Trends in Applied	
Aspects of Biological Sciences	- 2021" held on 19th and 20th March 2	2021 through Google meet platform organ	nized by the Department	
of Biotechnology, PSG College	of Arts & Science, Coimbatore-14.			
Dr. R. R. Rasmi	Dr. M. Sathyabhama	Mrs. S. Ambika	Dr. D. Brindha	
Organizing Secretary	Organizing Secretary	Convener	Principal	

This is an auto generated e-certificate and does not require signature.

2. Scientific Committee Member

Dr. G H Pujar (Asst. Professor & Head, Dept. of Physics & CoE) has been invited as an "Scientific Committee Member" for ICFTEN-2021 Conference which is going to be held on 20th and 21st May,2021 in association with IFERP (Institute for Engineering Research and Publication), organized by Rao Bahadur Y Mahabaleswarappa Engineering College, Ballari & IFERP.



<u>April - 2021</u>

1. Attended Workshop

Dr.Swaroop K., has participated in virtual national dialogue on "Manufacturing Excellence and Innovation for Competitiveness and Sustainability of Chemical Manufacturing" on 6th of April 2021, conducted by United Nations Industrial Development Organisation (UNIDO), New Delhi, India.



May-2021

1. Faculty Development Program on "ICT Tools for Faculty" (Online LIVE FDP)- (ICT Academy)

Dr. G H Pujar (Asst. Professor & Head, Dept. of Physics & CoE), participated in One week Faculty Development Program on '*ICT Tools for Faculty*' organized by ICT Academy, during 17th-21st May 2021.





June-2021

Paper Published @ Scopus International journal

Dr.Swaroop K Assistant Professor, Department of Physics has published a research article entitled "An Examination of the Radiation Induced Defects and Thermo-luminescence Characteristics of Sm_2O_3 doped $BaO - ZnO - LiF - B_2O_3$ Glass Systems for Gamma Dosimetry Applications" in the international Journal "Optical Materials"



Paper Accepted@ Scopus International journal

Research article entitled "Studies on Effect of Fe3O4-PbO combination in Peroxide Vulcanization of EPDM and Shielding 59.54 keV Gamma rays" has been accepted in "Radiation Effects and Defects in Solids" journal, which was submitted by Dr. Swaroop K Assistant Professor, Department of Physics.

July-2021

ACHIEVEMENT

"National level TOYCATHON 2021 Competation-2021": BE First year CSE students: *Navpreetum, Pranav, Shravan, and Shivashankar* have shortlisted and participated in **POWER JUDGE ROUND** of **Grand Finale** - <u>TOYCATHON</u> 2021, conducted by Govt of India.

Mentor/Guide: Dr. G H Pujar (Asst. Prof. & HoD Physics)

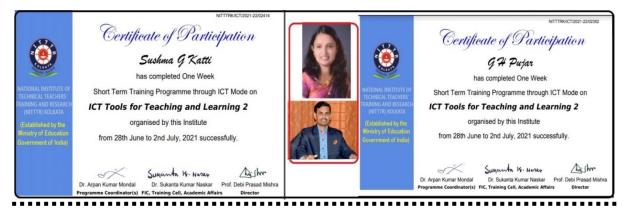
Team name: "ROCK-VED"-

Theme: Indian History, Knowledge of India and Ethos



Online Short-Term Training Programme (STTP) on "ICT Tools for Teaching and Learning- (NITTTR, Kolkata)

Dr. G H Pujar (Asst. Prof. & HoD, Dept. of Physics) and **Smt. Sushma Katti** (Asst. Professor, Dept. of Physics), have successfully completed one week 'Short Term Training Programme' through ICT Mode on '*ICT Tools for Teaching and Learning*'organised by National Institute of Technical Teachers Training and Research (**NITTTR**), **Kolkata** from 28th June to 2nd July, 2021.



August-2021

Paper Published @ Scopus International journal

Dr. Swaroop K., Assistant Professor, Dept. of Physics has published an article entitled "Studies on the effects of Fe3O4-PbO combinations in peroxide vulcanization of EPDM and shielding 59.54 keV gamma rays" in Scopus indexed journal, Radiation Effects and Defects in Solids (Taylor and Francis).



<u>September - 2021</u>

Participated in FDP

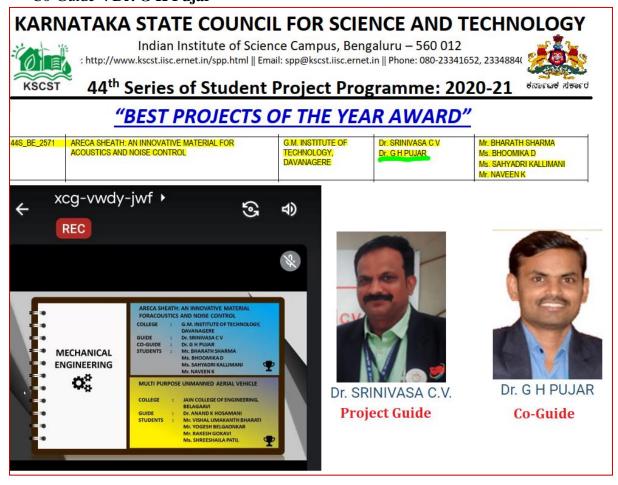
Dr. Santhosh B M. (Asst. Prof., Dept. of Chemistry) and Dr. Swaroop K (Asst. Prof., Dept. of Physics) have participated in one Week Faculty Development program on "*Center of Excellence for Innovation, Research and Entrepreneurship*", organized by Atal Incubation Center, Jyothi Institute of Technology Foundation Bangalore, in Association with GM Institute of Technology Davangere, Karnataka during 27th Sept-01st Oct 2021.



Best Project Award: 2020-21

The Student Funded Project entitled "Areca Sheath: An Innovative Material for Acoustics and Noise Control" is sponsored by Karnataka State Council for Science and Technology (KSCST) under 44th series of the Student Project Programme for the year 2020-2021 and awarded as "Best Project of the Year".

Guide : Dr. Srinivasa C V Co-Guide : **Dr. G H Pujar**



Two Days Webinar (State level) Organized by Department of Physics

The Department of Physics has organized **Two Days Webinar** on **"Conceptual Foundations of Quantum Mechanics"** on **14th and 15th September**. First year students of GMIT and other participants from various institutes of Karnataka have participated actively. **Dr. Raghavendra S**, Assistant Professor and HOD, Shri Dharmasthala Manjunatheshwara College (Autonomous), Ujire, has delivered the special lecture on basic concepts of Quantum Mechanics. The lecture sessions were very much useful for the curriculum of first year Engineering Students and to understand the concepts of Quantum Mechanics in their future as well. Overall, 370 Participants have taken advantage of this Session.

Dr. Y Vijaykumar, Principal inaugurated the event and addressed the participants. **Dr. Swaroop K, Organizing Secretory**, has welcomed the Guest and Introduced the Resource Person. **Dr. G H Pujar, Convener** has addressed the participants and delivered the Vote of Thanks. **Mrs. Sushma Katti** has done the Master of Ceremony for the event.



October – 2021

Review Article Published @ National journal

Dr. Onkarappa HS (Asst. Prof., Dept. of Chemistry), Dr. VS Betageri (Prof.&Head, Dept. of Chemistry), Shilpa VA (Asst. Prof., Dept. of Chemistry), Smt. Sushma Katti (Asst. Prof., Dept. of Physics) and Dr. G H Pujar (Asst. Prof.& Head, Dept. of Physics), have published a review article entitled "Extraction of Nanocellulose for **Futuristic** Materials" in the ISSN Indexed journal, Journal of Science, (KU J of Science)



Extraction of Nanocellulose for Futuristic Materials

Onkarappa H S¹, Radha V¹, Nikhileshwar V¹, Virupaxappa S Betageri^{1*}, Nandeshwarappa B P², Latha M S³, Shilpa V Allipur¹, Sushma Katti⁴, G H Pujar^{4*} ¹Research Centre, Department of Chemistry, GM Institute of Technology, Davangere, Karnataka, India-

577006 Research Centre, Department of Chemistry, Davangere University, Davangere, Karnataka, India-577004

³R L Science Institute (Autonomous), Belagavi Karnakata, India ⁴Research Centre, Department of Physics, GM Institute of Technology, Davangere, Karnataka, India-577006 *Corresponding author: puttpuja@gmail.com

ABSTRACT

Article history:

ARTICLE INFO

Received: 30 May 2021: Revised: 2 June 2021: Accepted: 14 June 2021 Keywords: Nanocellulose: Acid hydrolysis; TEMPO Oxidation; Ionic Liquids; Nanocrystals;

In frontier applications, there is a never-ending demand for nanocellulose due to its unique compatibility and ability to fit in. It has impressive characters like presence of rich hydroxyl group, physical and mechanical properties, high surface area and thermal stability. In this review, the background of nanocellulose originated from lignocellulosic biomass and the typical extraction methods like acid hydrolysis, TEMPO oxidation and Ionic liquid methods are summarized with a detailed procedure to obtain nano cellulose. It is expected to provide a complete guidance on the types of nanocellulose and detailed extraction methods

1. Introduction

material and stimulates great interest in scientific attention [6].

Over the years, natural bio-polymers like alginate, starch, collagen, elastin, chitosan and cellulose

The stiffness of the exterior parts in plants is of cellulose th



Participated in Two Week FDP

Smt. Sushma G Katti (Asst. Prof., Dept. of Physics) and **Shilpa VA** (Asst. Prof. Dept. of Chemistry) have participated in AICTE Sponsored Two Weeks National Level Faculty Development Program on "*Empowering Teaching Learning Using Modern Pedagogy Tools in Technical Education*" organized by Dept. of Mechanical Engineering, UBDT College of Engineering, Davangere, during 18th -30th Oct 2021.



<u>November – 2021</u>

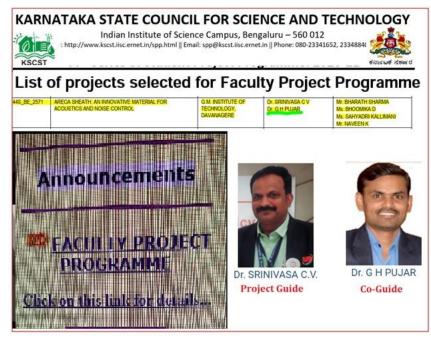
Project Selected for 'Faculty Project Programme' @ KSCST

KSCST has started a new initiative titled "Faculty Project Program (FPP)" to support product/services development. Under this new initiative, KSCST is inviting project proposals

from faculty/project guides of those projects awarded as best project of the year/projects selected by committee for further development / prototype under the 40th Series to 44th Series of Student Project Programme (SPP).

The Student Funded Project entitled "Areca Sheath: An Innovative Material for Acoustics and Noise Control" is selected for 'Faculty Project Programme' by KSCST.

Guide: Dr. Srinivasa C VCo-Guide: Dr. G H Pujar



Orientation Program for First Year BE students-2021 Batch

Orientation program was conducted for First Year BE students from 18th to 27th November 2021 organized by Basic Science department. This program had several pep-talks by Principal, HOD's of various departments. The talks were including engineering skills and its importance, human values, importance of engineering in basic science, tips for success, computer awareness, importance of research in engineering career, major issues of environment, way to dreams, quality of education, opportunities in IT industries and so on.

Dr. Y Vijaykumar, Principal inaugurated the program and enlighten the students. **Dr. V S Betageri,** HoD-Chemistry, welcomed the Guests and budding engineers. **Dr. Onkarappa K S,** HoD-Basic Science and **Dr. Sunilkumar B S,** Dean-Acedamics & HoD-ISE have briefed about the programm and its importance. **Dr. G H Pujar,** HoD-Physics, delivered the Vote of Thanks. **Mrs. Sushma Katti,** Asst. Prof., Dept. Of Physics, has done the Master of Ceremony for the event. This program was successfully conducted and well organized with the support of all faculty of Basic Science department.



<u>December – 2021</u>

Review Article Accepted @ Scopus International journal

Dr. Swaroop K, (Asst. Professor, Dept. of Physics), published a Scopus Indexed review article in **Sensor Review** entitled of **"A Review: Electrical and Gas Sensing Properties of Polyaniline/Ferrite Nanocomposites"** in the reputed international journal (Emerald publishing) in collaboration with Davanagere University, Presidency University and Reva University Bangalore.

nsor	Review
view (SR	-02-2021-0051)
•	muravyov@tpu.ru
To:	tjs3294@gmail.com, prasannagd@davangereuniversity.ac.in, chaturmukha.vs@gmail.com, gnsathishreddy@gmail.com, swaroop.k.acharya@gmail.com, naveen@presidencyuniversity.in
CC:	
Subject:	S - Sensor Review - Decision on Manuscript ID SR-02-2021-0051.R2
Body:	Dear R, Thejas; G D, Prasanna; V S, Chaturmukha; Reddy, Sathish; Kumaraswamy, Swaroop; S, Naveen
	It is a pleasure to accept your manuscript SR-02-2021-0051.R2, entitled "A Review: Electrical and Gas Sensing Properties of Polyaniline/Ferrite Nanocomposites" in its current form for publication in Sensor Review. Please note, no further changes can be made to your manuscript.

Induction Program for Ist year BE students (2021-22):

The induction programme was brought in with a view to uplift the level of the entrants to an elevated stage, promote all-round development and exposing learners' stigmas to minimize and to maximize their learning. Learners come with diverse thoughts, backgrounds, & perceptions. Hence, it becomes important to help them adjust to the new environment & inculcate the ethos of the institution with a sense of larger purpose. That is where the lacuna lies which demands a program dynamic enough to address the issue. **GM Institute of Technology, Davangere** has organized one week 'Induction Programme' with an objective to provide ample of time and a platform for the transition of students from school to the hard-core engineering. An induction programme is a harbinger of various in-campus & off-campus activities specially designed for entrants to fill the gap. The Induction Programme was organized by the Institution Induction Program Cell (IIPC), GM Institute of Technology, Davangere.

During the Induction programme various sessions were conducted by eminent people/ subject experts as per the following Schedule

S.No	Date & Day	Resource Person	Торіс
1	13 th Dec 2021	Mr. Sharath G N	How to Plan your Future
	Monday	Director Copper Age study circle for	while in Degree
		competitive exams	
2	14 th Dec 2021	Mr. Manjunath H B	Indian Culture and
	Tuesday	Press Reporter,	Student life
		Davangere	
3	15 th Dec 2021	Mr. Ravindra Kulkarni	Health Awareness
	Wednesday	Health Advisor, Ranebennur	
4	16 th Dec 2021	Dr. Jayasimha MBBS, MD	Awareness of COVID-19
	Thursday	SS High Tech Hospital, Davangere	

5	17 th Dec 2021	Dr. Shishupal	Role of Youth in
	Friday	Prof, Dept of Microbiology	Environmental
		Davangere University	Conservation
6	18 th Dec 2021	Field Visit	Kondajji
	Saturday		

Co-Ordinators: Mrs. Savitha K C, Mrs. Sushma Katti, Dr.Pavithra K C

Induction Program selected Pics:



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DEPARTMENT OF PHYSICS

Monthly News Letter – 2022

<u> January – 2022</u>

Paper Published @ Scopus International journal

Dr. G H Pujar (Assistant Professor & HoD, Dept. of Physics) has published a research article entitled **"Facile green synthesis of ZnO–CuO nanocomposites using areca catechu leaves and their in vitro antidiabetic and cytotoxicity studies"** in Scopus indexed journal **"***Adv. Nat. Sci.: Nanosci. Nanotechnol*" (IOP Publisher) in January-2022.

IOP Publishing | Vietnam Academy of Science and Technology Advances in Natural Sciences: Nanoscience and Nanotechnology

Facile green synthesis of ZnO–CuO nanocomposites using *areca catechu* leaves and their *in vitro* antidiabetic and cytotoxicity studies





found to have some significant medicinal applications in

Paper Published @ Scopus International journal

Dr. Swaroop K., Assistant Professor, Dept. of Physics has published a review article in a Scopus indexed journal "Sensor Review" (Emerald Publisher) entitled "A Review: Electrical and Gas Sensing Properties of Polyaniline/Ferrite Nanocomposites" in collaboration with Presidency University, Davanagere University, and Reva University.

1. Introduction



In addition, he has published research article entitled "Radio iodinated melatonin: Preparation and Purification using Separation Techniques" in "Med Pulse International Journal of Physiology" in collaboration with K S Hedge Medical Academy (NITTE University), Mangalore University, and Board of Radiation and Isotope Technology (BRIT, Mumbai)

Paper Presentation @ International Conference (DAE-SSPS 2021)

Mr. Ganesh Channagoudra (Asst. Professor, Dept. of Physics), presented poster in 65th DAE Solid State Physics Symposium 2021 entitled "Effect of Pyrochlore phase on Magnetic Properties of PMN-PT/LSMO Thin film" organized by Bhaba Atomic Research Centre (BARC) Mumbai from 15th to 19th December -2021.



"Online course on digital Teaching Technique through ICT mode"

Dr. Vinay Parol (Asst. Prof, Dept. of Physics) has been successfully completed one-week short Term program through **ICT Mode** on "**digital Teaching Technique**" organized by **ICT Academy** from 27th December to 31st December 2021.



Sci-Techno Master- A Quiz Contest [National science day)

On the eve of National Science Day-2022, Department of Basic Science conducted *Sci-Techno Master- A Quiz Contest'* for all the 1st year BE students on 20th January 2022 to encourage the students to look beyond their textual knowledge and establish a relationship between theory and application of the learnt concepts.

The contest was conducted in Civil Seminar Hall at 3.30pm and was presided by **Dr. Y. Vijaya Kumar (Principal)**, Dr. Onkarappa K. S. (Head- Dept. Basic Science),), Dr. G. H. Pujar (Head-Dept of Physics), Dr. Onkarappa H S (Head-Dept. of Chemistry, Basic Science staff and Event Judges: (1) *Dr. Bharath K N*, Associate Professor, Dept. of Mechanical Engineering, (2) *Dr. Pavitra K S*, Asst Prof, Dept of Chemistry.



The contest was hosted by *Smt. Sushma G Katti*. Asst. Prof, Department of Physics, GMIT, Davanagere and this event was coordinated by *Sushma G Katti* (Asst. Prof, Department of Physics), **Shilpa VA** (Asst. Prof, Department of Chemistry), **Mamatha S R** (Asst. Prof, Department of Mathematics) & Ganesh Channagoudra (Asst. Prof, Department of Physics).

Quiz Session



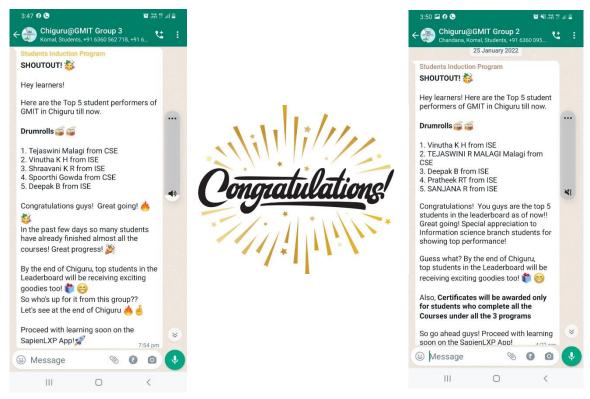
The prize winners of the competition:

1st Place: Srinivas B G, Sharath S A, Surya Prakash, Pradeep B S	– G section
2 nd Place: Tejas Habbu, Sushmitha V N, Sagarika U, Tejaswini R M	– B Section
3 rd Place: Chaithanya V, Nayana V J, Gurukiran A M, Gagan B R	– A Section

Student Centric Activities: First Year BE (Januvary-2022)

Top 5 student performers of GMIT in Chiguru (December & January):

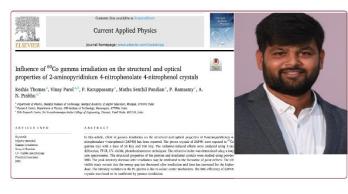
Online Student Induction Program-2022, conducted by govt. of Karntaka



February - 2022

Paper Published @ Scopus International journal

Dr. Vinay Parol., Assistant Professor, Dept. of Physics has published an article in an Scopus /WOS indexed journal **"Current Applied Physics"** (**Publisher-Elsevier**) entitled **"Influence of** ⁶⁰Co gamma irradiation on the structural and optical properties of 2-aminopyridinium 4-nitrophenolate 4-nitrophenol crystals" in collaboration with Manipal Academy of Higher Education Manipal and SSN College of Engineering, Chennai.



Faculty Development program on shock waves

Dr. Vinay Parol (Asst. Prof, Dept. of Physics) and **Dr. Swaroop K** (Asst. Prof, Dept. of Physics) have been attended the **Faculty development program** on "Application of shock waves in science, engineering and medicine" organized by **Department of Physics, Global** Academy of Technology Bengaluru from 8th February to 11th February 2022.



Webinar Participation

Dr. Swaroop K. (Assistant Professor, Dept. of Physics) has participated a webinar on "Importance of Publishing Open Research in Medicine" organized by Taylor and Francis Group on 21st February 2022.



Student Centric Activities

Power Point Presentation Competition – (National Science Day-2022)

On the eve of National Science Day-2022, the Department of Basic Science conducted **Power point presentation Competition** for the 1st year BE students on 18th February, 2022 to look

beyond their technical knowledge and establish a relationship between science and application of the learnt concepts.

The event was conducted in Civil Seminar Hall at 2.30 pm and was presided by **Dr. Y. Vijaya Kumar** (Principal), **Dr. Onkarappa K. S**. (Head- Dept. Basic Science), **Dr. G. H. Pujar** (Head-Dept of Physics), **Dr. Onkarappa H S** (Head-Dept. of Chemistry), and Basic Science staff.

Event was Judged by:(i) **Harish G C**, Assistant Professor, Dept of ECE. & (ii) **Keerthi S**, Assistant Professor, Dept of Bio-Technology.

Event coordinators: (i) **Dr. Manjula G M,** (ii) **Savitha K. C,** (iii) **Veena C M** (iv) **Smt. Jyoti Banakar**. Asst. Prof, Department of Mathematics, GMIT, Davanagere.

The prize winners of the competition:First prize: Anusha Bhat, Anusha unki, Rinku K- H sectionSecond frize: Meghana B U- D sectionThird prize: Sharadhi S G, Sushmitha V N, Sai sannidhi- B section



"Minds on- hands on" -Science Exhibition (National Science Day-2022)

On the occasion of National Science Day, the Department of Basic Science organized the science exhibition (mini-Projects) -Minds On – Hands On 2022 on February 22, 2022 at Engineering Physics Lab.

Students presented various science and technology models with industrial, technological and social relevance, to name few, non-Newtonian fluids for smart road humps, Laser Communication, Reading Devices for Blind People, Electricity Generation through Cow Urine, Plasto-Scopy, Smart Dustbin, Plastic Tiles, Wifi Gun, Smart Street Light and so on.

The event was inaugurated by **Dr. Y. Vijaya Kumar** (Principal) and facilitated by **Dr. Onkarappa K S**, HOD, Dept. of Basic Sciences, **Dr. G H Pujar**, HOD, Dept. of Physics, and **Dr. Onkarappa H S**, HOD, Dept. of Chemistry. All the HOD's, faculty members, and students from various departments have visited the programme actively.

Mr. Mallikarjuna M S., Dept. of Mechanical Engineering and Mr. Ravitheja B., Dept. of Electronics and communication were invited as Judges for the event.

Event Coordinators: (i) Dr. Swaroop K, Dept. of Physics,

- (ii) **Dr. Vinay Parol,** Dept. of Physics,
- (iii) Dr. Pavithra K C, Dept. of Chemistry,
- (iv) Dr. Shanmukha B, Dept. of Mathematics

List of Awardees:

Place	Names	Project Topic
Ι	Harish Rakode Harshitha and	Non-Newtonian fluids for smart road humps.
	Chinmay R Gajji	
II	Nayana V Niveditha H	Laser Communication.
III	Manasa D Muralidhara L S Mallesh N G Nikhil	Generation of Elecrtricity from Cow Urine.
	N S Manikanta R Akash M K Deepak Patil G S Kiran Swamy V M Srujan S	Reading Device for Blind people



Dr. Swaroop K has welcomed the guests and the participants to the programme. **Dr. Y. Vijaya Kumar**, Principal has addressed the participants and encouraged them by going through all the projects. The programme was concluded by **Dr.Vinay Parol.**

March 2022

Parents- Teachers Meeting for First Year B.E Students

The Department of Basic Science, GM Institute of Technology, Davangere, organized the Parents Teachers Meeting for 1st year B.E. students from 25/03/2022 to 31/03/2022 (Section wise). The main objective of the meeting was to create a common platform, where teachers and parents come together to discuss student's performance and devise ways to enrich their learning experience. More than 450 parents were presented, overall and this event was session based (Morning 10:30 -12:30 pm and Afternoon 2:30 to 4:30 pm), which was conducted in civil seminar hall.

This event presided by **Dr. Y. Vijaya Kumar** (Principal), **Tejaswi Kattimani** (Placement Officer), **Dr. Onkarappa K. S**. (Head- Dept. Basic Science), **Dr. G. H. Pujar** (Head-Dept of Physics), **Dr. Onkarappa H S** (Head-Dept. of Chemistry), class teachers, mentors and all Basic Science staff. Further, **Principal** addressed the parents and gave an insight about the institute's facilities and regulations, methodologies of teaching & learning for the overall welfare of students. **Placement officer** highlighted about career opportunities, placements, trainings, higher studies, etc. **Dr. Onkarappa K. S**. spoke about learning techniques and involvement strategies in academics and extracurricular activities in the college. This event was concluded with the statement, "The progress and development of the students depend on the joint efforts of parents and teachers.



April – 2022

Faculty Development program on Research Methodology- Tools and Techniques"

Dr. Vinay Parol (Asst. Prof, Dept. of Physics) and **Dr. Swaroop K** (Asst. Prof, Dept. of Physics) have been attended the **Faculty development program** on **"Research Methodology-Tools and Techniques"** organized by **Department of Science and Humanities, Geethahjali Institute of Technical Studies, Udaipur** from 25th to 29th April 2022.



Physics Department felicitated top scorers in Internal Assessment Tests (IAs)

The students who secured the highest marks (out of out in **Engineering Physics**) were felicitated for their achievement. **Miss. Sonica, Sonali, Madiha, Sanjana, Shravani, Mr. Adesh, Jainum, Nirmal Sai Tej and Ismail** have scored highest marks.

All these academic achievers were given small honour to keep their achievement flying. These students were felicitated by Dr. Onkarappa K S, Head-Basic Science, Dr. G H Pujar, Head-Physics and Dr. Santhosh B M, NCC Officer. Principal, Management & and the Staff members had extended their whole-hearted congratulations to all the students for their achievement and wished them all for their future exams to be ever successful!!!!

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