



## Department of Chemistry

### CHEMitario

Chemistry is like cooking (just don't lick the spoon)

AY: 2018-2019

Mission	Vision
To feed the budding engineers with finer aspects of science which make them to understand, exploit and innovate, thus contributing to the future technologies.	Upgrade our students about the latest developments in chemical science and also creating progressive environment for learning & innovations.

Chairman: Sri G. Dayanand	Executive Director: Sri G. D Manoj
 <p>The "CHEMitario" newsletter of the department Chemistry is providing great space for the faculty and students to pen down their innovative ideas, imagination and perceptions to show case their creativity. So, I take the opportunity to congratulate the department of Chemistry and its editorial team to successful release of this issue. I am sure that students and faculty will find the content of this edition very interesting and educating.</p>	 <p>I am indeed happy to know that the department of Chemistry has taken initiative in realizing its monthly newsletter "CHEMitario" and urge faculties and students to make use of the platform to share and educate among themselves in publishing article pertaining to the emerging domain and articles of interesting. I congratulate the team of editorial community and department of Chemistry.</p>

Principal's Desk	Administrative Officer's Desk
 <p>It is indeed very happy to bring out newsletter "CHEMitario" by the department of Chemistry. It is a platform provided by the department of Chemistry for their students and faculty members where they can share the knowledge, experience and talents in terms of written articles and I would like to compliment and congratulate the department of Chemistry and its editorial team for the contribution in bringing out the newsletter.</p>	 <p>It gives me immense pleasure to note that Chemistry Department bringing out Newsletter for the academic year 2017-18. I am sure this newsletter provides an opportunity to the student's and the faculty of the department to project their talents through articles, reports of the various academic and extracurricular programmes. I congratulate the editorial committee of the newsletter for their efforts.</p>

HOD'S Desk	INSIDE THE ISSUE
 <p>I am very happy to bring out the first issue of the Departmental Magazine "CHEMitario-2019 ". This magazine outlines various activities took place during the academic year 2018-19 and the achievements of faculty and students. It is great to find a considerable number of articles, poems and art that certainly prove that our staff and students are adequately equipped and possess necessary skill sets to express their talent. Sincerely congratulate the Chairman, Principal, and editorial team of the department for their unrelenting efforts in compiling this Magazine</p>	<ul style="list-style-type: none"> <li>❖ Vision Mission</li> <li>❖ H.O.D's Desk</li> <li>❖ List of papers published in journals</li> <li>❖ List of books published</li> <li>❖ Department Activities</li> <li>❖ Class toppers list</li> </ul>
<p><b>Books Published:</b>  <b>A Text book of Engineering Chemistry</b> By Dr C Muthukumar, Dr Manjunatha D H, Dr Gurushantha K, Second revised edition 2018, Himalaya Publishing House, ISBN: 978-93-5299-373-4.</p> <p><b>Paper Published in International/National Journals</b></p> <ul style="list-style-type: none"> <li>➤ <b>Roopa K P</b>, Jayanna B K, and Nagaraja P. "An experimental design approach for optimization of spectrophotometric estimation of Mirabegron in bulk &amp; pharmaceutical formulations", Journal of Analytical Chemistry (Publishers Springer), 73(9), 884-893, 2018, ISSN: 1061-9348, DOI: 10.1134/S1061934878090095.</li> <li>➤ <b>Anusuya A.M</b>, Dr B.S Krishna, Synthesis characterization and biological applications of some heterocyclic molecules of transition metal complexes, International journal of scientific research and review, <b>IJSRR publications</b> volume7, issue 5, May 2019, 184-192.</li> <li>➤ <b>Anusuya A.M</b>, Dr B.S Krishna, Synthesis characterization and biological applications of Benzaldehyde substituted Benzimidazole derivatives 8-Hydroxy Quinoline transition metal complexes. Journal of engineering science and technology, volume 2, Issue 06(2019):08-15, STEM journal publications.</li> </ul> <p><b>Awards/Recognitions/achievements:</b>  <b>Dr Gurushantha K</b>, Assistant professor, Dept of Chemistry got <b>Best Paper Award</b> in International Conference on Science, Agriculture &amp; Technology for Society, ICSTS - 2019, on 13<sup>th</sup> – 15<sup>th</sup> May 2019 at East west institute of technology, Bengaluru.</p>	

### Paper presented in International/National Conferences

1. K. Gurushantha, K.S. Anantha raju, H.P. Nagaswarup, S.C. Prashantha, C.R. Ravikumar, B.S. Surendra, M.R. Anilkumar, Synthesis, Characterization, Photoluminescence, Photo catalytic studies of Zirconia Nano materials, in International Conference on Science, Agriculture & Technology for Society, ICSTS - 2019, on 13<sup>th</sup> – 15<sup>th</sup> May 2019 at East west institute of technology , Bengaluru.
2. Roopa K P “Optimization & validation of the spectrophotometric methods for the assay of Dexmedetomidine Hydrochloride in pure & dosage forms” , in the national conference on Recent Innovations in Material Chemistry (RIMMC-2019) on 8<sup>th</sup> & 9<sup>th</sup> of March 2019 at University of Mysore, Department of studies in Chemistry, Mysore, India.
3. Krishne Gowda Y H, Harish Raju M, P V Krupakara and Manohar G N, A study of Groundwater in Kunigal Taluk A situational study Journal of engineering science and technology, Volume 2,issue 6, 22-25, 2019 April 29-30 at Cambridge Institute of Technology, North Campus Bengaluru.
4. Anusuya A.M, “Synthesis characterization and biological applications of heterocyclic molecules of transition metal complexes”. International conference on latest advancements & future Trends in Engineering science and management (conference world ISBN: 978-93-87793-86-6), May 3<sup>rd</sup>-4<sup>th</sup> 2019 at SAIT
5. Anusuya A.M, “Synthesis characterization and biological applications of Benzaldehyde Substituted Benzimidazole Derivatised 8-Hydroxy Quinoline Transition Metal Complexes”. National Conference on Industrial and Information Technologies” (NCIT), April 29th and 30th 2019 at CIT.

Guest Lecturer conducted for chemistry cycle students organized by department of chemistry on 08/03/2019. **Prof. B A Patil**, Director, Think and Ink Education & Research Foundation, Bengalure had given lecturer on “**Engineers as Nation builders: Success Mantras for Young Engineers**” which was benefitted to nearly 300 students.





### Forum activities

STEC student's coordinator conducted PUBG MOBILE on 07/12/2018, Total teams 35 are participated



Winners of the PUBG MOBILE are ECE branch students: Shashank D R, Ujjwal S, Shiva Kumar, Sarath Kumar.

STEC student's coordinator conducted ICE BREAKERS event on 16/11/ Total 06 teams are Participated.



Winners of the ICE BREAKERS events are Abhishek, mohan, Geetha, Priya , Prithvi and Darshan.



STEC student's coordinator conducted Tik tik event on 14/12/2018.  
Number of Students Participated 10.



STEC student's co-coordinator conducted Rags to riches on 23/11/2018.  
Number of students Participated 15.



## Class Toppers list of C-Cycle students (2018-2019)



Sowmya K V (CV)  
SGPA 8.55



Khalid Maqsood Mir (CV)  
SGPA 8.40



Divya K (CV)  
SGPA 8.05



Madhu Kumari (CSE)  
SGPA 9.55



Sherwin E (CSE)  
SGPA 9.55



Swapnil (CSE)  
SGPA 9.25



Aakash P (ME)  
SGPA 8.45



Manjesh K (ME)  
SGPA 8.20



Rahul K R (ME)  
SGPA 7.85



Ashmitha S R (ISE)  
SGPA 9.35



Neha M P (ISE)  
SGPA 9.25



Suhana S (ISE)  
SGPA 9.20



Pooja G D (ECE)  
SGPA 9.55



Apurva M Sheety (ECE)  
SGPA 9.40



Saikrishna M (ECE)  
SGPA 9.15



Darshan P (EEE)  
SGPA 8.60



J S Harshitha (EEE)  
SGPA 8.45



Balaji A (EEE)  
SGPA 8.45



**BHAGYASHREE R (BT)**  
SGPA 9.0



**Koushik P M (BT)**  
SGPA 8.9



**VARSHA K (BT)**  
SGPA 8.75

### Editorial Board



**Chief-Editor:**  
**Dr. B S Krishna**  
Professor & HOD



**Co-Editor:**  
**Dr. Gurushantha K**  
Assistant Professor



**Arpitha K**  
2<sup>nd</sup> Sem CSE



**Koushik P M**  
2<sup>nd</sup> Sem BT