

Department of Chemistry

CHEMitario

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

Academic year 2019-2020

Volume - 1

Issue -1

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

HOD'S Desk	INSIDE THE ISSUE
 <p>I am very happy to bring out the Department Magazine "CHEMitario-2019". This magazine outlines various activities took place during the academic year 2019-20 and the Achievements of faculty and students.</p> <p>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"> ❖ Vision Mission ❖ H.O.D's Desk ❖ List of Book Published ❖ List of papers published in journals ❖ List of FDP attended by faculties ❖ Department Activities

Books Published:

Green synthesis of rare earth doped ZrO₂ NPs and its applications, **Gurushantha K**, Anantharaju K S, Surendra B S, LAMBERT academic publishers, ISBN 978-620-2-56543-1.

Paper Published in International/National Journals

- Facile green synthesis of silver oxide nanoparticles and their electrochemical, photocatalytic and biological studies , BN Rashmi, Sujatha F Harlapur, B Avinash, K Gurushantha, CR Ravikumar, HP Nagaswarupa, MR anilkumar, MS Santhosh, Inorganic Chemistry communications, 111, 2020 107580.
- **Synthesis characterization and microbial studies on nitrogen and oxygen-based bi dentate mannich base ligand of transition metal complexes**, Anusuya A.M, B.S Krishna, International journal of pharmaceuticals science and research, 11 (11) 2020 1000-08.
- Optimization and validation of the spectrophotometric methods for the assay of dexmedetomidine hydrochloride in pure and dosage forms, K. P. Roopa, a K. Basavaiah, b and B. K. Jayanna, Journal of Applied Spectroscopy, Vol. 86, No. 4, September, 2019.
- A study of Ground water in Kunigal taluk- A situational study, Krishne Gowda Y H, Krupakar V, Harish Raju M, Journal Science and Engineering Technology, 2 (8) 2019 1-4.

Paper presented in International/National Conferences

- Chemical hydrology analysis of Groundwater in Huthridurga hobli, Kunigal Taluk – a case study, Krishne Gowda Y H, H. Raju M, Gurushantha K, Krishna B S, **International Conference on 'Advances in Materials, Ceramics & Engineering Sciences, 17th – 18th January, 2020 at DSCE, Bengaluru.**
- Green Synthesis of ZrO₂ Nanoparticles and its applications in Photoluminescence, Photo catalytic studies, K. Gurushantha, K.S. Anantharaju, H.P. Nagaswarupa, S.C. Prashantha, Y H Krishne Gowda, C.R. Ravikumar, B.S. Surendra, M.R. Anilkumar, **International Conference on 'Advances in Materials, Ceramics & Engineering Sciences, 17th – 18th January, 2020 at DSCE, Bengaluru.**

Faculty development Program/Workshop/conference attended

1. Dr Roopa K P attended Five days FDP on Recent developments in energy, environment and health sector at acharya Institute of technology Bangalore, from 03/02/2020 to 07/02/2020
2. Ravikantha N attended Five days FDP on Recent developments in energy, environment and health sector at acharya Institute of technology Bangalore, from 03/02/2020 to 07/02/2020
3. Dr Gurushantha K attended Five days FDP on Recent developments in energy, environment and health sector at acharya Institute of technology Bangalore, from 03/02/2020 to 07/02/2020
4. Krishne Gowda Y H attended Five days FDP on Recent developments in energy, environment and health sector at acharya Institute of technology Bangalore, from 03/02/2020 to 07/02/2020
5. Anusuya A M attended Five days FDP on Recent developments in energy, environment and health sector at acharya Institute of technology Bangalore, from 03/02/2020 to 07/02/2020

Induction Program was conducted for first year students AY 2019-20 from 10/08/2019 to 22/08/2019.



Induction Program is inaugurated by Dr Nagahanumaiah on 10/08/2019 at Amphitheater, SCE



NSS Activities during the induction program by NSS co-ordinator Dr. Tulasi Das where the students planted plants in sathagiri college of Engineering college campus on 19/08/2019, in presence of honor Principal, Vice- Principal and various departments HODs.



Dr. Binoy K HR – Head, Wipro on Placement Activities awareness Program on 17/08/2019



Dr. R Shobha, Associate Professor, Maharani's Arts College Bangalore gave talk on communication skills during induction program.



A guest lecture on “Relevance of Values in Modern Life” by **Sampaturu Vishwanath** was held on 30th september 2019. The guest lecture has been organized by the department of Chemistry to provide the students with an opportunity to get knowledge of human values which is necessary in modern life.

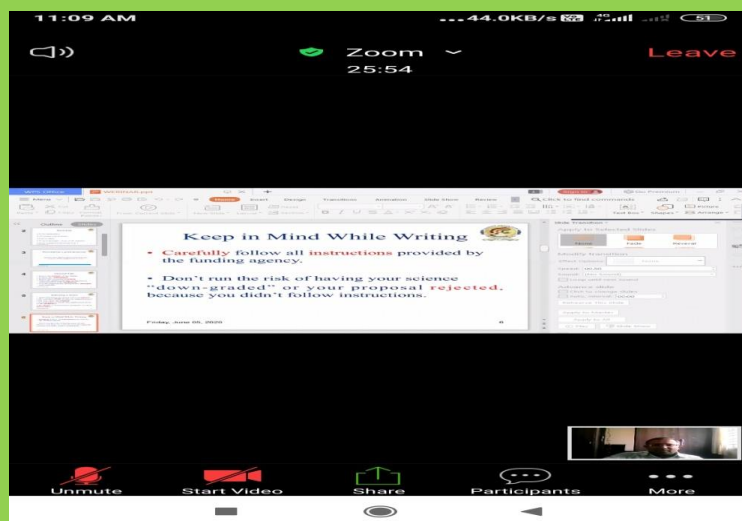


An invited talk on **“Road Safety & Traffic Awareness”** by Dr. D S Wodeyar, Senior Inspector of Motor Vehicles, Nelamanagala RTO, Bengaluru Rural Dist, was held on 26th October 2019. The invited talk has been organized by the department of Chemistry to provide the students with an opportunity to get knowledge of Traffic rules and Road safety awareness which is necessary for students.



Invited talk on **“Awareness on Environmental pollution”** by Dr. D S Wodeyar, Senior Inspector of Motor Vehicles, Nelamanagala RTO, Bengaluru Rural Dist, were held on 26th October 2019. The invited talk has been organized by the department of Chemistry to provide the students with an opportunity to get knowledge of Awareness on Environmental pollution which is necessary in modern life.

The Five days Faculty development Programme on Role of Nano metals in the field of medicine conducted by Dept. of Chemistry association with Biotechnology department using ZOOM platform from 05.06.2020 to 10.06.2020. Dr B S Krishna, HOD Chemistry Addresses a welcome speech and he explained the importance of webinar on recent trends in science and technology. Dr. B M Nagabhushana, Prof & Head of Chemistry, MSRIT, and Bangalore delivered a talk on Research Opportunities in Nanoscience. Session was informative and useful especially solution combustion method using good fuel with minimum temperature. He also explained the Characterization of Nano materials & its applications in various fields.



Dr. Nagaswarupa H P giving talk on **flourishing research grant applications**

Dr. Nagaswarupa H P, Associate professor, Dept. of PG studies, Davanagere University, Davanagere gave a talk on **Flourishing research grant applications**. He gave very useful information about project proposals, selection of topic to write project proposal, how to write project proposal and other online and offline formalities of various funding agencies. He highly motivates the youngsters to write the project proposals.

Dr S Harikrishna, Associate professor & Head, Dept of Chemistry, Sri Sairam College of Engineering, Bengaluru gave a talk on "Corrosion Prevention of MS using Green Inhibitors". He explained about basic fundamentals of corrosion, mechanism and corrosion control by using various inhibitors with examples.

Dr. G. Krishnamurthy, Associate Professor, Head, Department of PG Studies Chemistry, Sahyadri Science College, Shivamogga, delivered a talk on "Role of metals and metal complexes in medicine". The session was very useful in recognizing the toxic the effects and biological importance of metal complexes in our daily life.

Dr. Prabhakar Walmik, Assistant Professor, Department of PG Studies Chemistry, Sahyadri Science College, Shivamogga enlighten the session on "Drug Discovery and Development". He gave very useful information about the synthesis, development and characterization of drugs by different methods, which finds wide application in various fields.



Dr. G. Krishnamurthy giving talk on Role of metals and metal complexes in medicine.



Students along with the faculty members visited a local government school and donated books stationeries to the children in the school and spent the complete day with them by organizing learning from fun activities on 14/12/2020.



Plastic awareness Campus campaign was conducted on 11/02/2020 for first year students.



Yoga session was organized for students From “**Om Seva Kendra**”. **Dr. C N Krishna Guruji** addressed the students and delivered vibration thoughts on the advantage of yoga in daily life for having a stress free life also **Guruji and team** thought a few Yogasanas to the students.

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