



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR

Arts, Commerce and Science College, New Panvel (Autonomous)

Re-accredited 'A+' Grade by NAAC (3rd Cycle - CGPA 3.61)

'College with Potential for Excellence' Status Awarded by UGC

'Best College Award' by University of Mumbai



National Conference

on

**Recent Innovations and Concerns of Green Chemistry
towards Sustainability**

February, 17-18, 2020

Organized by

Department of Chemistry

Under the Aegies of

Rashtriya Uchchar Shiksha Abhiyan (RUSA)

About Sanstha

Hon'ble Shri. Ramsheth Thakur, a former Member of Parliament, benevolent local leader and committed social worker along with his dedicated and determined stalwarts founded the 'Janardan Bhagat Shikshan Prasarak Sanstha, Panvel' in 1992, in the memory of Late Shri. Janardan Bhagat Saheb, a philanthropic social reformer, to provide quality education to the disadvantaged and project affected people.

Sanstha has grown into an educational foundation promoting global thinking consistent with national interest and promoting the values, professionalism, social sensitivity and dynamic entrepreneurship.

During the span of 25 years of its glorious journey, the Sanstha has established 18 institutions including 03 Degree Colleges, 03 Junior Colleges, 10 Schools and 02 Professional institutes in Raigad and Navi Mumbai with strong vision and passion for being the pioneers of the modern education system. All these institutes are state-of-art, with ever expanding facilities and infrastructure. Over eighteen thousand students are taking education from KG to Ph.D. level in the various institutions of the Sanstha.

About College

Changu Kana Thakur Arts, Commerce and Science College, New Panvel (Autonomous), is a multi-faculty premier institution of higher education with an enrolment of more than 4,000 students and, offers 14 undergraduate, 14 post-graduate and 07 Ph.D. programmes. The college has received a status of 2(f) and 12(B) from University Grants Commission, New Delhi and permanently affiliated to University of Mumbai. It is one of the youngest colleges in India to complete three cycles of NAAC accreditation with A grade in first and second cycle and A+ (with CGPA 3.61) in the third cycle (valid till 2024). The college has been awarded with the status of College with Potential for Excellence by UGC, New Delhi in 2009-10 which was subsequently continued from 2013-14. The college is also a recipient of DST FIST grant. From 2019-20 college has been awarded with Graded Autonomous status by UGC, New Delhi.

The college is certified with Quality Management System (ISO 9001:2015), Environmental Management System (ISO 14001:2015) and Green Standard (GSCP-01-2010).

The College has 02 NCC Units - Army (Boys) and Army (Girls) with an enrollment of 104 cadets and 03 NSS units with 300 volunteers.

Research is an integral part of teaching. 18 faculty members are Ph.D. guides and 39 students have registered under the guidance of faculty at the institution. Many are working on research projects and have published a number of research papers in national and international peer-reviewed journals.

To groom the research aptitude among the students, the college motivates students to participate in 'Avishkar Research Convention', a research festival conducted by University of Mumbai. As an outcome of this practice, the college has bagged Overall University Championship of Avishkar Research Convention for nine times from 2009-10 to 2018-19.

We inculcate the importance of research in the young minds of our N.S.S. volunteers and guide them to undertake Community-based Research Projects. The outcomes of these projects are published in our college level research journal 'Anugoonj' with ISSN 2348-9731. It is published every year since 2011-12 till date.

In the span of 22 years, the college has brought up many laurels because of its holistic development and excellence in academics, cultural, sports, social and research activities at University, State as well as National levels.

About Department

The Department of Chemistry is one of the premier departments of our college. The department offers B.Sc. (Six Units), M.Sc. Organic Chemistry and Analytical Chemistry (By Papers), M.Sc. Chemistry (By Research) and Ph. D. programmes. The department also conducts the 'Bridge Course in Chemistry and 'Certificate course in Environmental Biochemistry'. The department has been awarded grant under the FIST Programme of Department of Science and Technology, Government of India.

It has well equipped and separate laboratories for undergraduate, postgraduate and research programmes. The teachers and students have a facility of departmental library. The department has research linkage with national and multinational industries. As a part of environmental consciousness, the department has established Effluent Treatment Plant and Biogas Plant.

Faculty members of the department are constantly involved in research activities. Most of them have been engaged in research projects of different funding agencies, authoring books and publishing patents and research papers in the reputed international and national journals.

The department is continuously striving hard for the development of students' scientific attitude, sense of observation and understanding of concept of Chemistry. We conduct various students' oriented activities which include seminars, training programmes, workshops, aptitude test, quiz competition, model competition, research projects, industrial trainings, educational visits etc. It also offers campus interview programmes and placement services to graduates and postgraduates. Within the short span of time, seven students of the department achieved merit ranks at the University of Mumbai. Ten research scholars have completed Ph.D. and three have completed M.Sc. by Research. At present, twelve students for Ph.D. and seven students for M.Sc. by Research are enrolled.

About Conference

Green Chemistry is a thought process towards sustainability by designing, developing and implementing safer chemicals and processes. It provides a way to approach environmental challenges such as pollution prevention, atom economy, less hazardous chemical synthesis, design of safer chemicals, the use of safer solvents and auxiliaries, design for energy efficiency, use of renewable feedstock, reduction of derivatives, catalysis; design for degradation, real-time analysis for pollution prevention and inherently safer chemistry for accident prevention. The major challenge faced by both industries and society is to expand technological advances in more sustainable ways to improve public well-being, economy and the environmental safety through

- Source reduction
- Incorporate sustainability early in the design process
- To create industrial processes that avert hazard problems
- Development of eco-friendly chemicals and materials
- Analysis on the eco-toxicological and environmental effects of biomass processing
- Use of environmentally benign solvent systems
- Generating wealth from waste

Green Chemistry is a field of innovation, new ideas, and revolutionary progress thus the future of chemistry. The aim of this conference is communicating the success stories of green chemistry and sustainable chemistry to the next generation of scientists and the students to create interest in this field.

Scope of Conference

- Recent advances in green synthesis and catalysis
- Advancement of green chemistry for industrial usages
- Applications of green chemistry
- Energy conversion and storage
- Photochemistry and photocatalysis
- Waste utilisation and re-use: from e-waste to bio resources
- Environmental monitoring
- Sustainable chemistry for society
- Sustainable chemistry in environmental science
- Degradable products
- Future trends in green chemistry

Technical programs in the conference will also provide a platform for the young researchers as well as Ph.D. students to interact with scientists/industrialists engaged in research in the areas of green and sustainable chemistry.

This conference will bring together a panel of highly-accomplished experts and the presentations will encompass basic studies and applications of green chemistry. During the sessions, discussions will focus on the recent advances, difficulties and breakthroughs in the field of green and sustainable chemistry. The conference will feature a keynote talk, invited talks, oral presentations and poster presentations in various technical sessions. Best oral & poster presentations will be selected for awards.

Participation

Teachers from Faculty of Science of various colleges/departments from the different Universities of India are requested to participate in the Conference. There is no registration fee for the participation.

Registration

Online Registration can be made through the link given below

https://docs.google.com/forms/d/e/1FAIpQLSf54839abcoAwGXvfQ6daiQW8dRi2iXcdZ1HRPu0Jbkj50oig/viewform?usp=sf_link

Registration can also be made through Post, Courier, Fax and Email.

Registration forms are also available on website of the college.

Last date of registration is Monday, February 10, 2020.

Registration fee: Not applicable



SCAN TO REGISTER

Accommodation

Accommodation if required can be arranged in nearby hotels on request. The confirmed request must reach us on or before February 10, 2020. The accommodation charges will be applicable.

Call for Papers

Authors should submit full papers in scope of theme of conference for Oral/ Poster presentation in MS word 2007 or 2010 with 25 mm margin on all sides, 1.5 line spacing and Times New Roman font with font size 12. The paper should comprise of, concise and informative title, authors' name and their affiliated institute, abstract (50-100 words), 3-6 keywords, introduction, materials and methods, results and discussion conclusion, and references. Figures and references should be included into text. Figure/Table captions look like this: Fig. 1 Caption (Fig./Table in bold, number in bold, no dot after the number, Caption in normal type, no punctuation at the end). Always describe and refer to them in the text.

Reference style:

Journal article:

1. Braun T (1992) The citation impact of the Journal of Radioanalytical and Nuclear Chemistry. J Radioanal Nucl Chem Lett. 166:1-6

Book:

2. Vértés A, Nagy S, Klencsár Z, Lovas RG, Rösch F (2011) Handbook of Nuclear Chemistry. Springer, Berlin, Heidelberg

The name of the author presenting the paper should be underlined. Paper should be submitted by e-mail to chemistrydept.conference@gmail.com on or before February 05, 2020. The acceptance of the paper either for oral or poster presentation will be communicated to the corresponding author on or before February 10, 2020 by e-mail.

Contact

Dr. S. K. Patil

Head, Department of Chemistry and Convener

(022)27464193, (022)27455760

Mobile: 09322191125

Fax: (022)27461569

Superfax: +919022933585

Email: skpatil.70@rediffmail.com

Dr. (Mrs.) J. S. Thakur

Co-convener

(022)27464193, (022)27455760

Mobile: 09004691558

Fax: (022)27461569

Superfax: +919022933585

Email: thakurjyotsna@gmail.com

Programme

Day I: Monday, February 17, 2020

Particulars	Time	Chief Guest/Resource Person
Inaugural Ceremony & Key Note Address	10.00 am to 11.30 am	Chief Guest: Hon'ble Prof. A. B. Pandit, Vice-Chancellor, Institute of Chemical Technology, Mumbai Key Note Address: Hon'ble Prof. A. B. Pandit Vice-Chancellor, Institute of Chemical Technology, Mumbai
Session- I	11.30 am to 1.00 pm	Hon'ble Prof. S. S. Garje, Associate Dean, Faculty of Science & Professor, Department of Chemistry, University of Mumbai
Lunch Break 1.00 pm to 2.00 pm		
Session-II	2.00 pm to 3.30 pm	Hon'ble Prof. G. S. Shankarling Head, Department of Dyestuff Technology, Institute of Chemical Technology, Mumbai
Tea Break 3.30 pm to 4.00 pm		
Session- III	4.00 pm to 5.30 pm	Oral Presentations

Day II: Tuesday, February 18, 2020

Particulars	Time	Chief Guest/Resource Person
Session- I	9.30 am to 11.00 am	Hon'ble Prof. Vivek Polshettiwar Reader, Division of Chemical Sciences, Tata Institute of Fundamental Research (TIFR), Mumbai
Session- II	11.00 am to 12.30 pm	Hon'ble Dr. (Mrs.) Shilpee Sachar Department of Chemistry, University of Mumbai
Lunch Break 12.30 pm to 1.30 pm		
Session-III	1.30 pm to 3.00 pm	Hon'ble Dr. (Mrs.) Sadhana Rayalu Chief Scientist, National Environmental Engineering Research Institute, Nagpur
Session-IV	3.00 pm To 4.00 pm	Poster Presentation
Tea Break 4.00 pm to 4.30 pm		
Valedictory Ceremony	4.30 pm to 5.30 pm	Hon'ble Prin. Dr. G. A. Thakur Principal, M. P. A. S. C. College, Panvel

CHIEF PATRON

Hon'ble Shri. Ramsheth Thakur, Ex-M.P.
Chairman, J.B.S.P. Sanstha, Panvel

PATRONS

Hon'ble Shri. Arunsheth Bhagat
President, J.B.S.P. Sanstha, Panvel

Hon'ble Shri. Prashant Thakur, MLA
Member, Board of Executive,
J.B.S.P. Sanstha, Panvel

Hon'ble Shri. Y. T. Deshmukh
Vice-Chairman, J.B.S.P. Sanstha, Panvel

ADVISORY COMMITTEE

President

Prof. (Dr.) Vasant Barhate
Principal
C.K. Thakur A.C.S. College, New Panvel

Members

Prof. A. K. Tyagi
Associate Director, Chemistry Group,
Bhabha Atomic Research Centre,
Mumbai

Prof. R.S. Lokhande
Head, School of Basic Sciences,
Jaipur National University,
Jaipur, Rajasthan

Prin. Dr. Hemlata Bagla
Principal,
K. C. College, Churchgate, Mumbai

Prin. Dr. G.A. Thakur
Principal,
M.P.A.S.C. College, Panvel

Prin. Dr. S.B. Dharap
Principal,
Bhausahab Nene College, Pen

Prin. Dr. V.S. Shivankar
Principal,
Karmaveer Bhaurao Patil College,
Vashi, Navi Mumbai

Prof. Gangaram Meshram
Principal,
Husna Abdul Malik Maidu Women's
Degree College, Kalyan

Prof. Rajesh Vatsa
Head, Structural Chemistry Section,
Chemistry Division,
BARC, Trombay.

ORGANIZING COMMITTEE

Convener

Dr. S.K. Patil

Vice-Principal & Head, Department of Chemistry

Co-Convener

Dr. (Mrs.) J. S.Thakur

Assistant Professor, Department of Chemistry

Members

Dr. B. V. Jadhav

Associate Professor,
Department of Chemistry

Dr. B. D. Aghav

Associate Professor,
Department of Chemistry

Mr. S. N. Vajekar

Associate Professor,
Department of Chemistry

Mr. J. M. Pawara

Assistant Professor,
Department of Chemistry

Ms. J. G. Pargaonkar

Assistant Professor,
Department of Chemistry

Ms. P. A. Patil

Assistant Professor,
Department of Chemistry

Ms. K. J. Pawar

Assistant Professor,
Department of Chemistry

Mr. Y. P. Karnik

Assistant Professor,
Department of Chemistry

Ms A. M. Salve

Ph. D. Scholar,
Department of Chemistry

Mr. P. A. Gaikwad

Ph.D. Scholar,
Department of Chemistry

Ms. G. V. Shinde

Ph.D. Scholar,
Department of Chemistry

Dr. V. D. Patil

Associate Professor,
Department of Chemistry

Dr. S. S. Patil

Assistant Professor,
Department of Chemistry

Mr. V. S. Kamble

Assistant Professor,
Department of Chemistry

Mr. D. K. Patil

Assistant Professor,
Department of Chemistry

Dr.(Mrs.) H. D. Shah

Assistant Professor,
Department of Chemistry

Mr. R. N. Patil

Assistant Professor,
Department of Chemistry

Ms. S. A. Shaikh

Assistant Professor,
Department of Chemistry

Dr. M. M. Naik

Co-ordinator,
Science Resource Centre

Mrs. M. R. Zirpe

Ph. D. Scholar,
Department of Chemistry

Mr. B. P. Vibhute

Ph.D. Scholar,
Department of Chemistry

Mr. V. B. Gharat

Ph. D. Scholar,
Department of Chemistry



॥ विद्या विनयेन शोभते ॥

Janardan Bhagat Shikshan Prasarak Sanstha's

CHANGU KANA THAKUR

Arts, Commerce and Science College, New Panvel (Autonomous)

Plot No.- 01, Sector - 11, Khanda Colony, New Panvel (W), Dist. - Raigad, Pin - 410 206

(022) 2746 4193, 27455760, 27461569 (FAX)

E-mail. : principalckthakurcollege@rediffmail.com

URL : www.ckthakurcollege.net