



Registration Form

February 4-5, 2011

NATIONAL SYMPOSIUM

on

Advances in Separation and Purification Science & Technology

Full Name :

M/F :

Designation :

Academic Qualifications:

Organization :

Mailing Address :

Whether Presenting Paper/poster :

Title of Abstract :

.....

Accommodation Required : Yes / No

Type of accommodation: (Guest-house/hostel) (AC/Non-AC)

Contact No.:

E-mail :

Details of Registration Fees :

DD/Cheque No.: Date :

Amount : Bank :

(DD in favor of Principal, GCET, Vallabh Vidyanagar, payable at Vallabh Vidyanagar)

Signature of Applicant

Sponsoring Authority

Designation

Office seal

(This form can be photocopied for more participation.)

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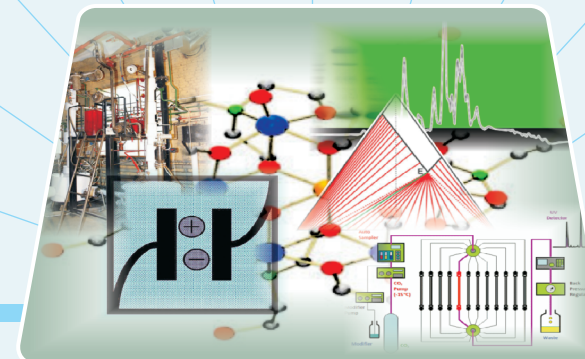
NATIONAL SYMPOSIUM

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Advances in Separation and Purification Science & Technology



February 4-5, 2011



Organized by



Department of Chemical Engineering
G H Patel College of Engineering & Technology

Vallabh Vidyanagar -388 120. Gujarat
(A Charutar Vidyamandal Institute)



IChE, Nadiad Regional Centre

...In Association with...



ISTE, GCET Chapter

Preamble : Separation and purification are the indispensable parts of downstream operation in chemical and allied process industries. Some kind of separation process is necessary almost in every stage from purification of raw materials to product separation and treatment of effluent streams. Past few decades have witnessed spectacular developments in several new areas such as materials, biotechnology, pharmaceuticals, and alternative fuels. However, these developments are accompanied by challenging separation problems often beyond the scope of the traditional mass transfer operations. Improving selectivity of separation by using better separating agents (for example, better solvents), concentration of high value products from dilute solutions, improving efficiency and reducing equipment size, reducing energy requirements are a few of these challenges. In addition, growing concern for environment and rising energy costs are the two major factors having significant influence on reshaping separation processes. On a broader perspective, the two important present –day criteria of evaluation a process, new or conventional, are whether it is 'sustainable' and 'green'. Alongside development and adoption of green technologies, has come up the idea of 'green separation processes'. With the developments in membrane science and technology, nanomaterials, super critical fluid extraction, tailored adsorbents, and newer approaches in mathematical modeling, new directions are opening in the experimental studies as well as process development and simulation, equipment design and fabrication and materials preparation and modification used in separation processes.

Scope of the Symposium : Separation and purification are the topics of great interest worldwide. With the advents of novel techniques and designs the realm of separation and purification have assumed paramount importance as its knowledge is now being disseminated through new monographs, treatises, and journals. The aim of the Symposium is to provide a platform for scientists and engineers in chemical and allied engineering fields to exchange their ideas and achievements in creating a clean and harmonious society on earth. The symposium would include plenary and keynote presentations, oral and poster sessions, and social gatherings that bring together researchers and practitioners in an informal environment for discussing the latest advances in the fields of separation and purification science and technology.

Major Thrust Areas Targeted

1. Phase Equilibria and Transport Phenomena
2. Distillation, Extraction, Absorption and Crystallization
3. Adsorption, Ion-Exchange and chromatographic separation
4. Membrane separation
5. Biochemical Separation
6. Electrochemical separation
7. Separation in metallurgy
8. Super Critical Fluid Technology
9. Aerosols, nanomaterial and Foam separation processes
10. Cryogenic and hybrid processes
11. Separation Processes in Pollution control
12. Reactive separation processes
13. New Materials and Process for Separation
14. Newer separations in food and pharmaceutical industries

Participation and Submission of Abstracts : Participation is open to faculty members/ Ph.D, PG, and senior UG students of Chemical Engineering, Chemical Technology, Material Science & Metallurgy, Biosciences and Biotechnology, Pharmacy, Industrial Microbiology, Environmental Engineering, Food processing and Allied Branches of Engineering, Chemistry, Biochemistry, Environmental science, Nanoscience and technology and Persons from industry and R & D houses

Call for Papers and posters : Interested delegates may send the abstract of their paper on the above thrust areas for oral as well as poster presentation, subject to acceptance by the Technical review committee.

Abstract Format : Single page abstract with a maximum of 300 words (Times New Roman Font) should be submitted in MS word format. The title should be in 14 pt bold, upper-lower case letters and centered. This should be followed by author's names and affiliations (12 pt bold, centered) and the abstract text (11 pt) aligned justified.

Symposium Proceedings : Proceedings of the symposium will consist of papers from keynote, invited and contributing authors. A CD of the same will be brought out to distribute amongst the registered delegates.

Registration Fees:

CATEGORY	FEES (INR)
Faculty Members	₹ 500
PG/PhD Students	₹ 350
UG Students	₹ 250
Delegates from Industries	₹ 1000

All payments should be made through DD / Cheque drawn in favour of Principal, G H Patel College of Engineering & Technology, payable at Vallabh Vidyanagar.

Accommodation : Limited Accommodations will be provided in various guest houses of the University on request provided well in advance.

About us

Vallabh Vidyanagar : Vallabh Vidyanagar, named after Sardar Vallabhbhai Patel, The Iron Man of India, is 6 kilometers from Anand, The Milk Capital of India. Over the years it has emerged to be an active Educational Hub in the western part of India. It has made its distinct identity in the sector of education by offering numerous emerging and innovative academic programmes and by attracting students from across the globe. Anand is situated between Ahmedabad and Vadodara on the main rail-link and also NH -8, about 75 kilometers from Ahmedabad and 40 kilometer from Baroda. Vallabh Vidyanagar is blessed with the beauty of nature. Its lush green trees of different types and kinds have not only made the town environment-friendly, but also created a serene and ever-enjoyable peaceful atmosphere generating synergistic pleasure on the campus.

The Institute & The Management : The Institute, G H Patel College of Engineering & Technology (GCET) is managed by the highly reputed and the largest educational trust of Gujarat, Charutar Vidya Mandal (CVM), established in 1945 for the upliftment of rural education. Over the span

of 50 years CVM has been making spectacular progress by venturing into various emerging disciplines. Today CVM is nurturing 45 educational institutions of diverse types (from KG to PG) contributing to the panoramic growth of Vallabh Vidyanagar and New Vallabh Vidyanagar.

From the very inception (in the year 1996) GCET has striven to develop itself into an 'Institution of Excellence' in education and research in consonance with the spirit of modern Gujarat. In meeting this challenge for excellence, GCET has shaped its institution to the contemporary as well as future demands of need-oriented education. Today GCET has a total strength of 1800 students studying for Chemical, Mechanical, Information Technology, Electronics & Communication, Computer, Electrical Engineering and Mechatronics under the tutelage of 125 dedicated and competent faculty members.

Department of Chemical Engineering : The Chemical Engineering Department, established in 1996, is endowed with a competitive undergraduate program, supported by the state-of-art facilities, and qualified faculty members. The Department currently has twelve faculty members who bring to the Department a wealth of expertise to maintain a vibrant teaching and research environment. It has 12 laboratories with total of more than 120 equipment and bench-scale experimental set ups to cater the need of undergraduate curriculum of B.E (Chemical Engineering) Sardar Patel University (applicable for fourth year curriculum) and Gujarat Technological University (with effect from 2007-08). Today many of our distinguished alumni are holding senior positions in industries like Reliance Petrochemicals, Essar oils, Tata Chemicals, L & T, TCS, Infosys, GSFC, Atul limited and many more. The Department has a high average frequency of publications in reputed peer reviewed journals.

Dates to remember:

Deadline for abstract submission	January 04, 2011
Intimation to author	January 12, 2011
Last date of registration	January 20, 2011

Corresponding Address

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(Organizing Chair)

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Symposium Secretariat

NSST 2011

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