

SEPTEMBER 2024

CHROMATOGRAPHY *Connect*

The Event
Summarised

For Thought Provoking Leadership in
Chromatography Purification

5th EDITION
purify24
CHROMATOGRAPHY PURIFICATION CONCLAVE[®] WEST



12th June, 2024;
ITC Maratha, Mumbai



Diving Deep



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5th EDITION
purify24
CHROMATOGRAPHY PURIFICATION CONCLAVE
WEST

12th June, 2024; ITC Maratha, Mumbai

For Thought Provoking Leadership in
Chromatography Purification



...a landmark
event

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Organised by



CHROMATOGRAPHY Connect

Project Execution: Custage Marketing Solutions LLP, 406, Vikas Centre, Dr. C. G. Road, Chembur, Mumbai 400 074, INDIA

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Custage Marketing Solutions LLP is a Mumbai-based boutique communications company that specialises in marketing communications services for the B2B and is adept at creating niche premium communication platforms (vide print, digital and events) that are high in impact and a source of relevant knowledge sharing for the industry.



260

Participants



107

Companies



31

Speakers



28

Sponsors

Numbers Crunched

A symphony of numbers that was music to the ears of all...the delegates savoured the content...the speakers enjoyed the audience's attention...the sponsors lapped up the opportunities and the exhibit zone allowed the showcase of the latest capabilities!

It was all corners covered at PURIFY'24-West!



29

Display
Zones



7

Countries



11

States



26

Cities



In Dialogue



Dear Valued Chromatographers,

As we wrap up the 5th Edition of PURIFY Conclaves, I am filled with a deep sense of gratitude and pride. The recent PURIFY'24 West, hosted on 12th June, 2024 at the distinguished ITC Maratha in Mumbai, marked a milestone in our journey. Gathering 260 participants from 107 companies across 11 states and 7 countries, this edition showcased the growing importance and reach of chromatography purification within our community.

I want to extend my sincere thanks to all the delegates, speakers and sponsors who brought their expertise and energy to this event. It is your involvement that transforms PURIFY from a mere gathering into a dynamic exchange of ideas and innovations. Your contributions ensure that this platform not only remains relevant, but also continues to lead the conversation in our industry. The academicians at PURIFY'24 West added an unprecedented dimension as they continue to be the guiding light helping us maximise the opportunities coming our way!

India's pharmaceutical and biopharmaceutical industries are advancing at a remarkable pace, and it is inspiring to witness PURIFY, a platform we built together, gaining international traction. The diverse voices and groundbreaking discussions we shared in this edition underscore the critical role that chromatography purification will play in shaping the future of these sectors.

We have received invaluable feedback from PURIFY'24 West, and we are committed to using it to enhance your experience in future editions. Our aim is to keep evolving, ensuring that each conclave is more insightful and impactful than the last.

As we look forward, I am excited to announce that our next gathering will be on 17th December, 2024 at ITC Kohenur in Hyderabad, India. We invite you to join us as we once again come together to explore new frontiers in chromatography purification. Your partnership is invaluable to us, and we are eager to continue this journey with you.

Thank you for your trust and support. We look forward to welcoming you to PURIFY'24!

Warm Regards,

Manish Chawla
Managing Partner,
Custage Marketing Solutions LLP



Katkam Srinivas

Executive Vice President,
Head of Global Sales &
Marketing - API Business,
MSN Laboratories Pvt. Ltd.,
Hyderabad



**Muralidharan
Chandrakesan**

Vice President,
Auropeptide Ltd.,
Hyderabad



M. Damodharan

Chief Quality Officer,
Global Quality & Regulatory
Affairs, Sai Life Sciences Ltd.,
Hyderabad



Rajiv Janjikhel

Executive Director,
Alliance Management
AbbVie, New Jersey

Acclaimed **Advisory Board**

The core competency of the esteemed advisory board ensured the most relevant content that benefitted attendees. Their deliberations have constantly served as a guiding light to build an event that is today benchmarked as the highest impact conclave witnessed by this industry.



Somesh Sharma

Executive Vice President,
Discovery Services,
Aragen Life Sciences,
Hyderabad



**Y. S. Lakshmi
Narasimham**

Sr. General Manager -
Analytical, Novel Drug
Discovery and Development,
Lupin Ltd. (Research Park),
Pune



Manish Chawla

Managing Partner,
Custage Marketing
Solutions LLP,
Mumbai



Agilebio Technology

Market Leader in Offering End-to-End Solutions for Separation and Purification

Agilebio Technology is headquartered in Suzhou Industrial Park and owns two brands, Agilebio and Biosepur. It is committed to developing new chromatography techniques for the upstream purification of biomanufacturing and delivering upgraded solutions for chromatography separation and purification with high precision, high efficiency and lower cost. Relying on its innovative separation materials and precision & automation equipment, Agilebio Technology is supporting biomanufacturing with its comprehensive solutions including intelligent preparation chromatography instruments and industrial equipment, high-performance and low-cost packing materials and new purification techniques with higher efficiency and lower cost.

In terms of nucleic acid drugs, Agilebio Technology uses its high-efficiency silica gel packing materials for effective separation and purification of raw materials and intermediates such as phosphoramidite monomers, nucleosides, liposomes, dNTP, Cap. Together with its automated fluid control technique, Agilebio Technology provides customers with integrated services from bench-scale testing to scale-up production, from separation materials to instruments. Meanwhile, process development and purification services are also available in Agilebio Technology with strict and complete management procedures, especially the NPLC/RPLS purification process of phosphoramidite, which ensures high purity and recovery.

Key Technology Platforms

01 High Purity Spherical Silica For Chromatohraphy

Including Optimizing And Manufacturing Bare Silica Of All Three Major Types And Customized Bonding; Developed An Innovative Bonding Technology---asymmetrical Bonding.
(4 Patents)

02 Fully Automated And Precise Columns' Packing

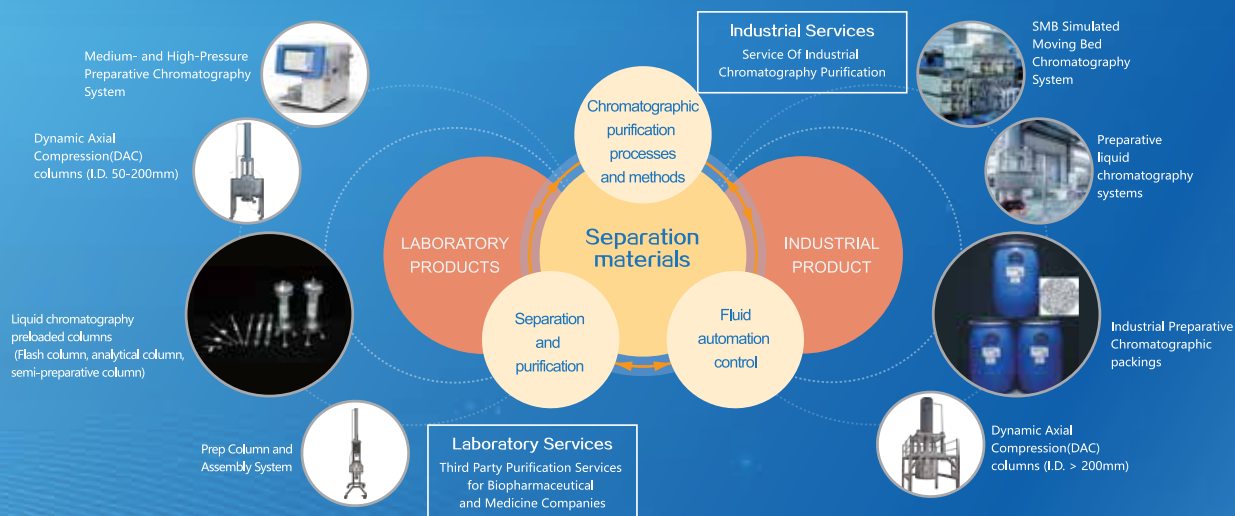
(5 patents)

03 Automation of chromatographic purification

(21 patents)

04 Innovative And Unique Magnetic Solid Phase Extraction

(12 patents)



Please contact: Hemant Kohli

Email: hemantkohli@agilebio.com.cn



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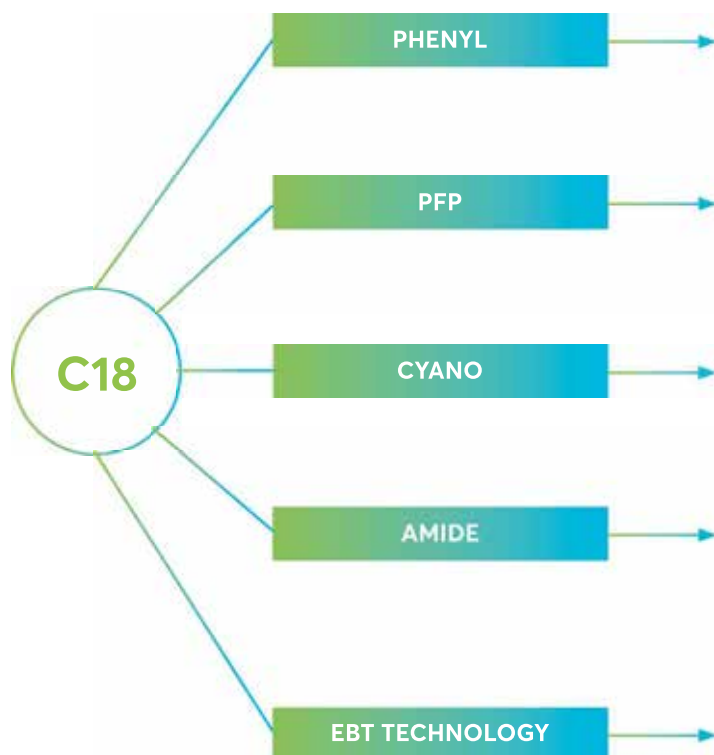
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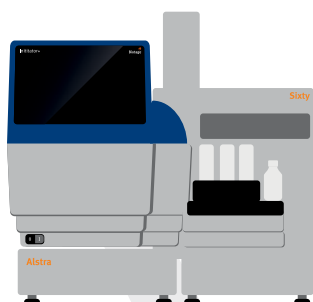
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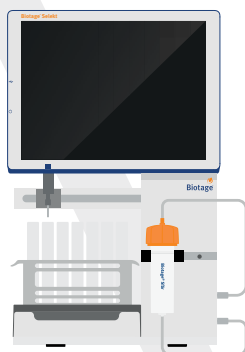


For more details, you can reach us at
chromatography.india@avantorsciences.com

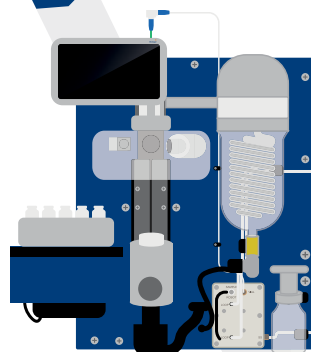
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Model:

CFR for Continuous Flow Reactions



Principle of Mixing
No. of Reactants
Phases

: Split And Recombine (SAR) Principle
: 2 or 3 Reactants
: Liquid -- Liquid; Liquid – Gas;
Liquid-- Slurry

Material Of Construction
Maximum Pressure
Internal Volume
Flow rate
Production Capacity
Temperature Range
Heating / Cooling method

: SS316L, Titanium, Inconel
: 69 Mpa/690bar /10,000 psi
: 3ml ~ 100ml
: 1ml/ min ~ 3 Liters/min
: 5 t /year ~ 1500 t/ year
: - 200 ºC to 400ºC
: Jacketed

CHEMINDIA

CHEMINDIA - High Pressure Liquid Pumps for Continuous Flow Reactor

In order to address the widest variety of applications, various pump head materials are available like SS316L, Hastelloy – C. Ceramic ball valves to work with all kinds of Acids, Bases and solvents. Stepper motor provides very accurate and precise flow outputs. Digital display of flow & pressure. Pressure control and Flow increments through key board.

Specifications for Hastelloy – C & SS316L Pumps:



Flow	Maximum Pressure	Flow Accuracy %	SS316L Pump	Hastelloy Pump
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200ml/min	15 MPA (2175 Psi)	±0.5%	✓	✓
300ml/min	15 MPA (2175 Psi)	±0.5%	✓	✓
600ml/min	15 MPA (2175 Psi)	±0.5%	✓	✓
1000ml/min	10 MPA (1450 Psi)	±0.5%	✓	✓
2000ml/min	10 MPA (1450 Psi)	±0.5%	✓	-N/A-
3000ml/min	10 MPA (1450 Psi)	±0.5%	✓	-N/A-



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CHIRALPAK® IC / IC-3 / IC-U
CHIRALPAK® ID / ID-3 / ID-U
CHIRALPAK® IE / IE-3
CHIRALPAK® IF / IF-3
CHIRALPAK® IG / IG-3 / IG-U
CHIRALPAK® IH / IH-3 / IH-U
CHIRALPAK® IJ / IJ-3
CHIRALPAK® IK / IK-3
CHIRALPAK® IM / IM-3
CHIRALPAK® IN / IN-3 ^{New}

Protein Type

CHIRALPAK® AGP
CHIRALPAK® CBH
CHIRALPAK® HSA

Coated Type

CHIRALPAK® AD/AD-H/AD-3 AD-R/AD-RH/AD-3R
CHIRALPAK® AS/AS-H/AS-3 AS-R/AS-RH/AS-3R
CHIRALPAK® AY-H/AY-3 AY-R/AY-RH/AY-3R
CHIRALPAK® AZ-H/AZ-3 AZ-R/AZ-RH/AZ-3R
CHIRALCEL® OD/OD-H/OD-3 OD-R/OD-RH/OD-3R
CHIRALCEL® OJ/OJ-H/OJ-3 OJ-RH/OJ-3R
CHIRALCEL® OX-H/OX-3 OX-RH/OX-3R
CHIRALCEL® OZ-H/OZ-3 OZ-RH/OZ-3R

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Crown ether type

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CROWNPAK® CR-I(-) / CROWNPAK® CR(-)

Zwitterionic type

CHIRALPAK® ZWIX(+)
CHIRALPAK® ZWIX(-)

Anion-exchange type

CHIRALPAK® QN-AX
CHIRALPAK® QD-AX

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and Method Validation
Services

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IVBE Studies

Peptide Analytics

Biopharma Services

Purification Services

Chiral Separation Services

Peptide Purification
Services

Purification under GMP
environment

Impurity Isolation
Services

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Peptide Synthesis

Nucleotide Synthesis

Labelled Synthesis

Impurity Synthesis

Pharma Standards

Impurity Standards

Peptide Standards

Stable Isotope Labelled
Standards

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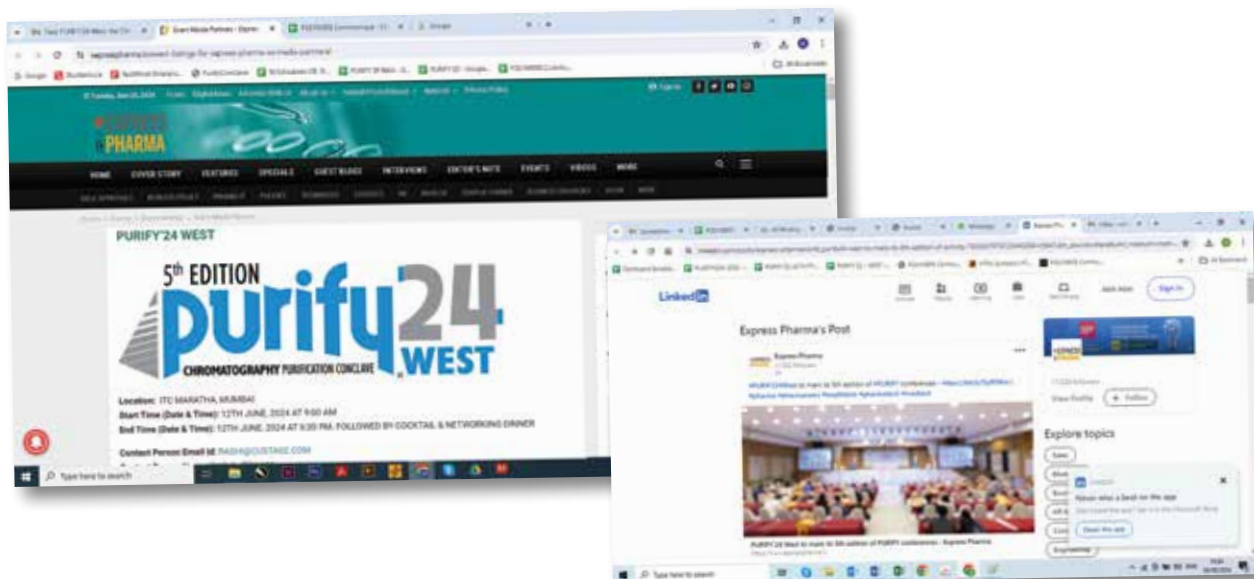


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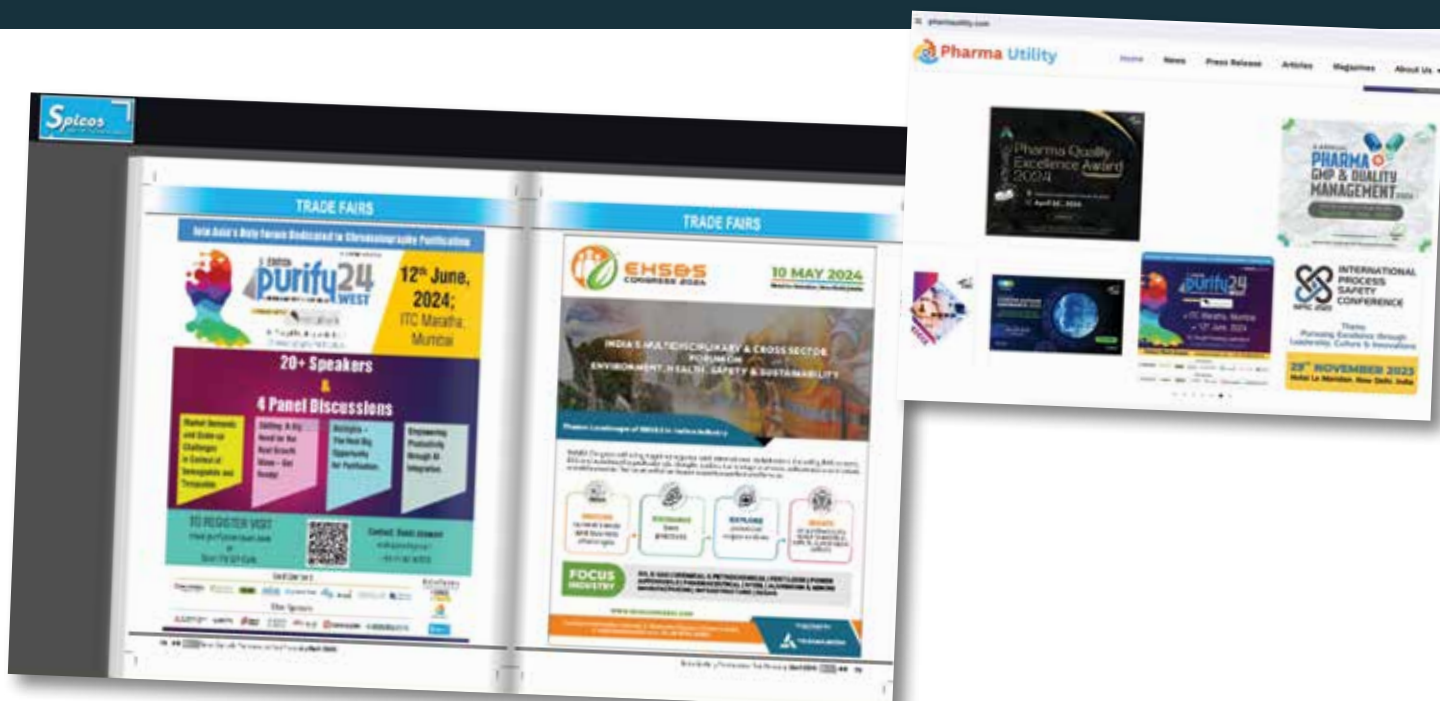
VIVID CAMPAIGNS AND PROGRAMME

13



Vivid Campaigns

As Rome wasn't built in a day, so was the success of PURIFY'24-WEST. It's been 110+ campaigns that were thoughtfully conceived and diligently implemented. A myriad of platforms were used to put the best foot forward to approach all stakeholders in the business of 'Chromatography Purification'. The result was evident – the big success of PURIFY'24-WEST!





For Thought Provoking Leadership in
Chromatography Purification

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For Thought Provoking Leadership in Chromatography Purification
12th June, 2024; ITC Maratha, Mumbai

EVERY DELEGATE GETS AN ASSURED GIFT...
A pen stand made of soapstone with inlay; soapstone is believed to promote rational and creative thinking, while having an effect of positive and calming energy.

TO REGISTER SCAN THE QR CODE

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Exhibit Zone

TABLE PARTNERS

5TH EDITION

Logos of participating companies: Apollo Bio, Astrea, Avantor, Biotage, BUCHI, Cytoskeleton, Cytoskeleton, DAIICEL, el Sciences, INTECH, IPSUM, Kromasil, Millennial Scientific, Nanghavi, PGC, Phenomenex, SANECH, SORBCHEM, ULTRA, welch, YMC.

Contact: Rashi Jeswani, rashi@postage.com, +91-91366 00573

For more details & registration, visit www.purifyconclave.com

Quick READ! **purify**
For Thought Provoking Leadership in Chromatography Purification

INDUSTRY OPINED ABOUT THE PURIFY23

3 Best Other Innovations and selection of content and speakers was the best part of the event.

Very good networking and sharing of knowledge about purification was the highlight of the event.

An agreement to excellent thought leadership was given to keep it aligned.

Archana S. Bhatnagar, Bhatnagar & Co., Mumbai

Rashmi Takare, Consultant, Business Strategy, Strategic Planning, Project Management, Mumbai

Anubhav Sharma, Anubhav Sharma & Associates, Mumbai

purify24 WEST
12th June, 2024, ITC Maratha, Mumbai

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Contact: Rashi, rashi@postage.com, +91-91366 00573

FOR MORE DETAILS VISIT: www.purifyconclave.com

5TH EDITION purify24 WEST
For Thought Provoking Leadership in Chromatography Purification
12th June, 2024; ITC Maratha, Mumbai
9:00 am - 6:15 pm followed by Cocktails & Networking Dinner

Advisory Board
Your insightful panel discussions featuring eminent industry experts. The panelists participate in these discussions and seminars from the chromatography industry, bringing their vast experience and knowledge to the forefront. They engage with field attendees, understand the challenges and opportunities that lie ahead in chromatography purification.

Panel Discussions
The moderator questions will take the panel to another level. Attendees will have the opportunity to engage with the panelists and gain their insights on the latest trends in chromatography purification. Attendees will also have the opportunity to ask questions that will be addressed in this Purify.

30+ Speakers
Each day of the event will be an unprecedented commitment and passion to enhance the level of performance of every attendee. They stand by the industry when it needs them the most. These distinguished speakers will provide an engaging and valuable insight into the challenges and opportunities that lie ahead in chromatography purification.

20+ Sponsors
They are here to showcase what they have, their expertise, that is what we all need. Meet, discuss and collaborate with our field. Partners who are worthy of being partners in your growth as well.

30+ Table Partners
It's not about just having the table, it's about about attending the Purify Conference. It's about being at the event and having the opportunity to meet, discuss and collaborate with our field. Partners who are worthy of being partners in your growth as well.

Beyond Business
Purify is a great place to be for a moment for all the attendees. Activities that take you with a different and unique.

Cocktails & Networking Dinner

Contact: Rashi Jeswani, rashi@postage.com, +91-91366 00573

For more details & registration, visit www.purifyconclave.com

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For Thought Provoking Leadership in Chromatography Purification
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Last 3 Tables

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Programme

Never before a programme with such diversity of talks, coupled with depth of knowledge. Speakers from PAN India adorned PURIFY'24-WEST.

Timing	Presentation	Speaker
8:00 am - 9:00 am	Registration with Networking Tea / Coffee	
9:00 am - 9:20 am	Inauguration and Welcome Address	Professor M. M. Sharma, Olga Krivosheeva, Kshitij Shah, Srushti Sanghavi - Shah, Advisory Board and Manish Chawla
9:20 am - 9:40 am	Special Address by Guest of Honour	Professor M. M. Sharma , Emeritus Professor of Eminence, Institute of Chemical Technology, Mumbai
9:40 am - 10:00 am	Downstream Peptide Purification Using New Generation of Silica	Olga Krivosheeva , Application Project Manager, Nanologica AB, Sweden
10:00 am - 10:20 am	Commercial Production of High Purity Docosahexaenoic acid (DHA-EE) and Eicosapentaenoic acid (EPA-EE) using Reverse Phase and Normal Phase Simulated Moving Bed Chromatography	Anil Oroskar , Ph.D., CTO and Founder, Orochem Technologies Inc., USA
10:20 am - 10:50 am	Panel Discussion - Skilling: A Big Need for the Next Growth Wave – Get Ready! Prof. Aniruddha B. Pandit , Vice Chancellor, Institute of Chemical Technology, Mumbai; Damodharan Satagopan , CEO - API, Sun Pharmaceutical Industries Ltd., Mumbai; E. R. R. Chandrashekar , Ph.D., Head API - R&D, Vice President, Lupin Limited (Research Park), Pune; Swaminathan Sivaram , Professor Emeritus and INSA Emeritus Scientist, Indian Institute of Science Education and Research (IISER), Pune; Moderator: Prof. V. N. Rajasekharan Pillai , Vice Chancellor, Somaiya Vidyavihar University, Mumbai	
10:50 am - 11:00 am	The Guru Moment	
11:00 am - 11:25 am	Networking Tea / Coffee Break	
11:25 am - 11:45 am	Sustainable Separation: Advancing Chromatography for a Greener Future	Manish Thakur , Business Development Manager, Buchi India Pvt. Ltd., Mumbai
11:45 am - 12:05 pm	Rethink Supercritical Fluid Chromatography - The Swiss Knife of Analytics	Navin Devadiga , Asst. Manager - Drug Discovery, Business Development, Shimadzu Analytical (India) Pvt. Ltd., Mumbai
12:05 pm - 12:25 pm	New Horizons of Chiral Separation Techniques: LC, SFC and SMB	M. V. Narendra Kumar Talluri , Director, Daicel Chiral Technologies, Hyderabad
12:25 pm - 12:55 pm	Panel Discussion - Biologics: The Next Big Opportunity for Purification Indraneel Sanyal , Sr. Director, Biologics Development, Aragen Biologics Private Limited, Bengaluru; Madhu Utamsingh , Designated Partner, Hemmo Pharma LLP, Mumbai; Prakash Kotwal , General Manager Manufacturing, Lupin Limited (Biotech Division), Pune; Moderator: Somesh Sharma , Executive Vice President, Discovery Services, Aragen Life Sciences, Hyderabad	
12:55 pm - 1:15 pm	The Circle of Values in Silica based HPLC Purification of Peptides	Fredrik Limé , Ph.D., Technical Development Manager Pharma, Personal Care & Pharma Performance Formulations, Kromasil, Sweden
1:15 pm - 2:05 pm	Networking Lunch Break	

Timing	Presentation	Speaker
2:05 pm - 2:25 pm	Global Case Studies Highlighting Large Scale Flash Chromatography in Pharma API Manufacturing	Jayati Banerjee , Ph.D., Portfolio Manager, Organic and Peptide Workflow, Biotage India Pvt. Ltd., New Delhi
2:25 pm - 2:45 pm	The Importance of Knowing What is in Your Crude Product and in the Solvents Used for Purification	Jordi Bacardit Cabado , Advisory Board, Sanitech Engineers Pvt. Ltd., Mumbai
2:45 pm - 3:05 pm	Current Challenges and Innovative Solutions in Large Scale Peptide Manufacturing	Venkat Reddy Thangella , Ph.D., Director - Strategic Growth & Scientific Operations, Intech Analytical Instruments, Hyderabad & Sunder Ch. , Director - Engineering & Automation, Intech Analytical Instruments, Hyderabad
3:05 pm - 3:25 pm	Utilising Unique LC Stationary Phases to Accelerate Analytical to Purification Scale-Up Operation	Akshay Holkar , Area Sales Manager - Chromatography, Avantor Performance Materials India Pvt. Ltd., Mumbai
3:25 pm - 3:55 pm	Panel Discussion - Market Demands and Scale-up Challenges in Context of Semaglutide and Tirzepatide Arvind M. Lali , Chief Technical Officer, Vidyan BioCommerce Pvt. Ltd., Mumbai, Retd. Professor of Chemical Engineering and Former Head, DBT-ICT-Centre for Energy Biosciences, ICT, Mumbai; Chetan Doshi , Ph.D., Chief Scientific Officer, R & D, Generic Research, USV Private Limited, Mumbai; Nitin Patil , Ph.D., Head API - Peptides and Downstream Research and Development, Biocon Limited, Bengaluru; Moderator: Muralidharan Chandrakesan , Vice President, Auropeptide Ltd., Hyderabad	
3:55 pm - 4:05 pm	Felicitation	
4:05 pm - 4:30 pm	Networking Tea / Coffee Break	
4:30 pm - 4:50 pm	Carbon Microbead Media for the Purification of Liraglutide and Semaglutide	Balaji Sitharaman , Ph.D., President, Millennial Scientific, New York
4:50 pm - 5:10 pm	Peptide Purification Strategies - Case Study of Glargine	Srushti Sanghavi - Shah , Manager, Peptide Purification, Nanghavi Chromatography Solutions Pvt. Ltd., Mumbai
5:10 pm - 5:30 pm	Optimising Purification Efficiency and Cost - Selecting the Right Media	Darshan Engineer , Sr. Business Development Manager, Phenomenex India Pvt. Ltd., Hyderabad
5:30 pm - 5:50 pm	Credence for Choosing the Right Media for the Right Scale-ups: A Few Case Studies	Hemant Kohli , International Business Cum Technical Director, AgileBio Technologies, China
5:50 pm - 6:20 pm	Panel Discussion - Empowering Productivity through AI Integration Katkam Srinivas , Executive Vice President , Head of Global Sales & Marketing - API Business, MSN Laboratories Pvt. Ltd., Hyderabad; M. Damodharan , Chief Quality Officer, Global Quality & Regulatory Affairs, Sai Life Sciences Ltd., Hyderabad; Somesh Sharma , Executive Vice President, Discovery Services, Aragen Life Sciences, Hyderabad; Swapan Kumar Jana , Director - R&D and Manufacturing Human Vaccine Development, Serum Institute of India Pvt. Ltd., Pune; Moderator: Manish Chawla , Managing Partner, Custage Marketing Solutions LLP, Mumbai	
6:20 pm Onwards	Lucky Draw and Networking Cocktails & Dinner	



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SMB



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TFF - Tangential Flow Filtration System



Bio-Lab



MCC-Columns



Bio-Pro



ACC Columns



IBD



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Peptide Synthesizer



Bio-Oligo 100 Nucleic Acid Synthesizer



Oligonucleotide Synthesis Column



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An aerial photograph of a swimming pool with several swimmers in different lanes. The lane lines are red and white. The water is a clear blue. The swimmers are in various stages of their strokes, creating splashes and ripples in the water. The pool deck is visible at the bottom of the frame.

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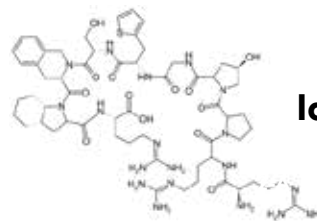


Manufactured by Mitsubishi Chemical

Mid-size molecule API purification example : ICATIBANT

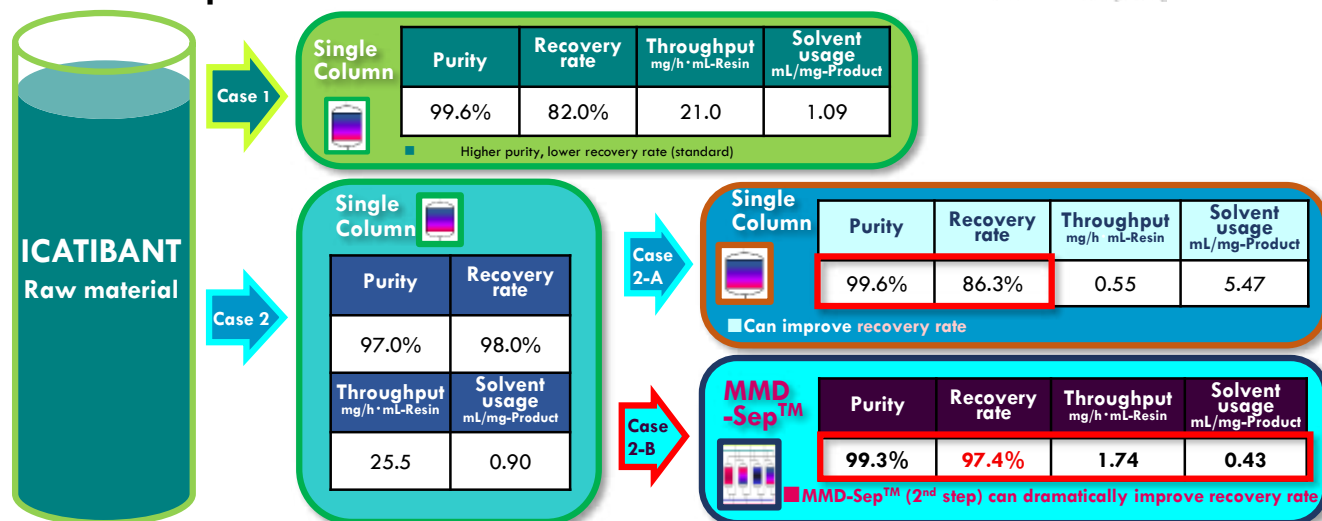
Icatibant

- Drugs for the treatment of acute attacks of hereditary angioedema
- Molecular weight: 1304.55 g/mol (icativant acetate)
- Drug Price: 307,291 JPY for Philadil subcutaneous injection 30 mg syringe 3 mL (as of July 2023)



Icatibant

ICATIBANT purification test results



Estimated production volume

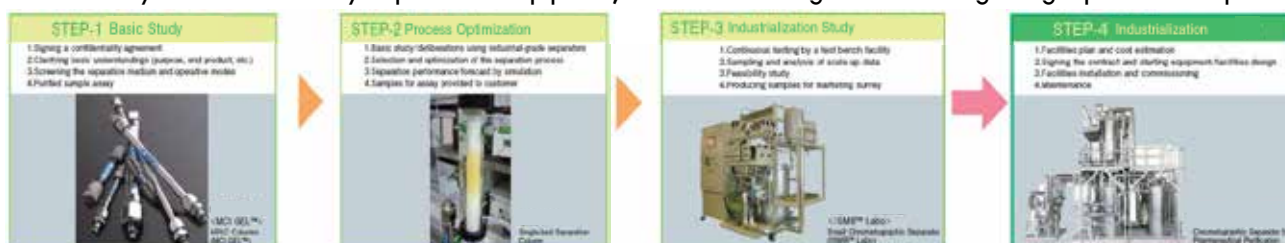
Case 2-B using MMD-Sep™ continuous chromatographic separator



Column Capacity	Throughput g/Day	Production days Day/kg-Product
16.6mL-R 4.6Φ × 250mmh × 4 pcs.	0.69	1,460
78.5mL-R 10.0Φ × 250mmh × 4 pcs.	3.2	309
314mL-R 20.0Φ × 250mmh × 4 pcs.	13.0	78
985mL-R 28.0Φ × 400mmh × 4 pcs.	40.6	25

Purification Process Development Service of Mitsubishi Chemical Aqua Solutions

From laboratory research to delivery of production equipment, we offer wide range of services regarding separation and purification.



For more information about MMD-Sep™, contact Mitsubishi Chemical India. Tel : +91 9717011694



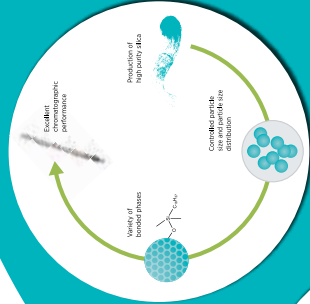
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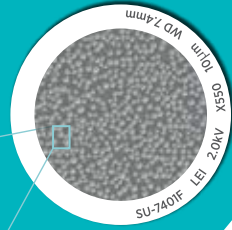
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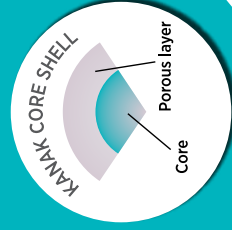
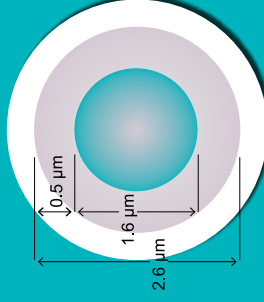
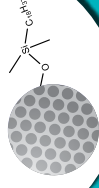
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Chromatography



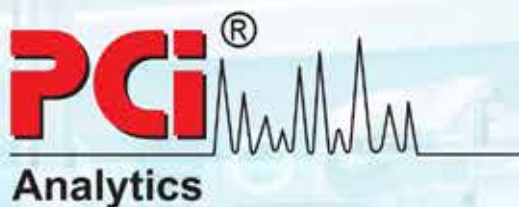
KEY FEATURES

- Ligand coverage 3.6 µmol/m
- d90/d10 < 1.5
- N_{0.5} (toluene) typically 110 000 plates/m
- USP tailing (toluene) < 1.1
- Reduced plate height (h) ≤ 2.0

Chromatographic
resin stable between
pH 1-9 (C18) and pH 1-8
(C4 and C8)



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ABSTRACTS

IN-SHORTS

27



Olga Krivosheeva

Application Project Manager,
Nanologica AB, Sweden

Downstream Peptide Purification Using New Generation of Silica

Downstream purification of insulin, insulin analogues, and GLP-1 agonists is a complex procedure consisting of several steps. Among them chromatography is a key technology which allows to achieve the highest purity of the final products even with complex impurity profiles.

The quality of silica used for this step is of fundamental importance for an efficient purification of the peptide, which is dictated by an overall optimized manufacturing process. Nanologica has specially developed a new generation of silica media NLAB Saga® to meet the strict requirements of industrial-scale purification by chromatography. NLAB Saga® has a large available surface area, high ligand density and narrow pore size distribution.

This, combined with controlled mean particle size and particle size distribution, results in silica with a high loading capacity and low back pressure. Due to its exceptional mechanical and chemical stability at both high and low pH, NLAB Saga® is an excellent choice for the industrial scale purification of insulin, GLP-1 analogues, and other peptides. Thus, NLAB Saga® is an efficient product with a long lifetime tailored for large-scale purification processes.

“

Attending PURIFY gives us an opportunity to enhance the knowledge of purifications.

Abhijeet Ghogare

Research Incharge - R&D,
Aarti Industry

”

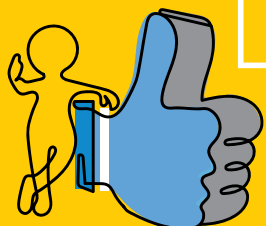
“

Good content of purification techniques and overall a very well organised event.

Milind Gujrar

Alkem Laboratories LTD.

”





Anil Oroskar, Ph.D.,
CTO and Founder,
Orochem Technologies Inc., USA

Commercial Production of High Purity Docosahexaenoic acid (DHA-EE) and Eicosapentaenoic acid (EPA-EE) using Reverse Phase and Normal Phase Simulated Moving Bed Chromatography

Fish oil is a dietary source of omega-3 fatty acids. Our body needs omega-3 fatty acids for many functions, from muscle activity to cell growth. In addition to supplements, EPA and DHA are also active ingredients in prescription drugs: Lovaza (GSK) and Vascepa (Amerin). Orochem Technologies Inc., based in Naperville, Illinois has been a leader in the development and commercialization of large-scale purification of EPA and DHA from various sources of fish oil. This presentation will describe the development of reverse phase SMB process from lab scale to commercial scale for the production of high purity EPA and DHA as active pharma ingredients for formulation of Lovaza and Vascepa. In addition, the presentation will also describe the development of normal phase SMB process from lab scale to commercial scale for the production of blends of EPA and DHA for the supplements market. Interaction of stationary phase properties with mobile phase for an efficient SMB operation will be described.

“

The best part of PURIFY was that speakers have complete knowledge about the selected topics.

Ramesh Pawar
AGM,
Apicore Pharmaceuticals Pvt. Ltd.

”

“

Gathering of selective quality audience and eminent speakers. I think it is the only platform on separation techniques in India. Thanks, to the Custage team.

Girija Brahma
Head Sales - Chromatography,
Avantor Performance Materials India
Private Limited

”



Manish Thakur

Business Development Manager,
Buchi India Pvt. Ltd., Mumbai

Sustainable Separation: Advancing Chromatography for a Greener Future

Background:

During the last years, chemistry was involved in the worldwide effort toward environmental problems leading to the birth of green chemistry. In this context, green analytical tools were developed as modern Supercritical Fluid Chromatography in the field of separative techniques. This chromatographic technique knew resurgence a few years ago, thanks to its high efficiency, fastness, and robustness of new generation equipment. How the technique is different from the LC technique in relevance of column screening. These advantages and its easy hyphenation to a variety of detectors like UV, ELSD & MS fulfills towards better separation and achieving higher throughput not only for chiral application but also for any achiral application.

Results:

SFC finds applications in various fields, including pharmaceuticals, natural products, environmental analysis etc.

Conclusion:

Supercritical Fluid Chromatography is a versatile and innovative separation technique that has gained prominence in the realm of analytical chemistry. Its unique combination of efficiency, environmental sustainability, and compatibility with a wide range of compounds makes it a valuable tool for researchers and analysts across various industries.



Navin Devadiga

Asst. Manager - Drug Discovery,
Business Development,
Shimadzu Analytical (India) Pvt. Ltd., Mumbai

Rethink Supercritical Fluid Chromatography - The Swiss Knife of Analytics

SFC has largely been overlooked due to complex method development and a perceived lack of robustness. However, recent advancements in instrumentation have rekindled interest and improved its standing in the scientific community.

SFC method development can be complex due to the interplay between multiple parameters such as pressure, temperature, modifier concentration, and flow rate. Finding the optimal combination of these parameters for effective separation can be time-consuming and requires a deep understanding of the interactions between the supercritical fluid and the analytes.

Shimadzu's Nexera UC allows measurements by liquid chromatography (LC) and SFC on a single system, automating column selection, gradient formation with up to 4 modifiers, and equilibration during column and solvent changes. LabSolutions MD offers excellent ease of use, evaluating multiple analytical conditions in a single operation efficiently. This new generation of systems meets the demand for an efficient and robust SFC by automating these aspects of method development, minimizing human error and maximizing throughput.

“The vendor talks and the product information was the best thing at PURIFY!”

Rahul Shirke
Managing Director,
Chirochem Laboratories

“The panel discussion on ‘Skillings A Big Need for the Next Growth Wave’ was the best thing at PURIFY’24 West, according to me.”

Sandip Shitole
Site Quality Head API and Site QC Head API &
Formulations - Kurkumbh and Satara,
Cipla Limited



M. V. Narendra Kumar Talluri

Director,
Daicel Chiral Technologies, Hyderabad

New Horizons of Chiral Separation Techniques: LC, SFC and SMB

The art of enantioseparation has seen a most dramatic development and progress over the last three decades, maturing from a specialty field of a few experts to an area of major scientific and economic interest. Chiral Chromatography offers quick way of separating enantiomers from racemic mixtures compared to asymmetric synthesis. Selection of the chiral stationary phase (CSP) is an important consideration in separating enantiomers while using High-Performance Liquid chromatography (HPLC), Supercritical Fluid Chromatography (SFC), and Simulated Moving Bed (SMB) Chromatography.

As more drugs are developed in single-enantiomer form, the determination of enantiomeric purity of starting materials, intermediates, and bulk drugs has become a necessity. HPLC is the most commonly employed technique for enantiomer separation/isolation. It offers high resolution, repeatability, efficiency, and the versatility to perform separations on a wide variety of compounds. LC methods often do not provide sufficient peak resolution to permit reliable measurement of stereochemical composition, particularly when the enantiomeric impurity is present at levels <1.0%. The increased diffusivity of SFC eluents leads to improved peak resolution and sharper peaks, which facilitates the measurement of enantiomeric purity at desired levels. The recent report published by our group on the comparison of LC and SFC for the chiral analysis of antiviral drug candidates. The SFC approach produced methods for all different combination of 3 or more chiral drugs. Ideally, the determination of chiral and achiral purity can be performed concurrently, and increased peak resolution in SFC reduces the likelihood that unexpected impurities will interfere with the analysis.

UHPLC is a specialized subset of HPLC using smaller diameter particles, offering more significant speed and efficiency. With the introduction of columns packed with small diameter (sub-2 μm) particles. The sub-2 μm immobilized chiral columns to achieve the increased resolution and speed offered by UHPLC. Separation of atropisomers has been successfully achieved on a polysaccharide-based chiral column in RPLC and SFC. The separation on immobilized-type columns in LC/SFC is more efficient. This enabled us to further enhance the atropisomeric separation and develop a more environmentally friendly analytical method. Not only the chiral analysis time was reduced by 8-fold in SFC compared to RP, but also the sensitivity was improved by 2- to 4-fold on sub-2 μm column in 3.0 mm I.D. compared to that on conventional LC chiral columns in 4.6 mm I.D. Therefore, sub-2 μm chiral column technology with LC/SFC is a powerful way to increase laboratory productivity and greenness for chiral analysis. The SMB techniques along with immobilized polysaccharides-based columns shows the highly productive enantiomeric separations and purifications. Chiral separation of samples with poor solubility was well addressed with the help of immobilized based chiral columns.



Fredrik Limé, Ph.D.,
Technical Development Manager Pharma,
Personal Care & Pharma | Performance
Formulations, Kromasil, Sweden

The Circle of Values in Silica based HPLC Purification of Peptides

The talk will present key aspects using state-of-the-art spherical silica for purification of peptide APIs. This includes the benefits of how silica can increase the efficiency, and the importance of high loadability to reduce production cost. Scalability both in terms increasing columns volume and in particle size with the same selectivity. There will also be examples showing the chemical and mechanical stability of the silica by regeneration of the column to increase the column lifetime. In addition to these key aspects in preparative chromatography we will also present the latest in the comprehensive screening of Kromasil phases for purification of GLP-1 agonists. The methodology to systematically remove the impurities from the crude in a 2-step purification.

“

Awesome management with excellent speakers at PURIFY'24 West.

Dattatray Kavale
Senior Executive,
Daicel Chiral Technologies
India Pvt. Ltd.

”

“

Networking and line-up of panel members for discussion was the best thing at PURIFY'24 West.

Bapu A. Gawade
Managing Director,
Cleantech Laboratories LLP

”



Jayati Banerjee, Ph.D.

Portfolio Manager, Organic and Peptide Workflow,
Biotage India Pvt. Ltd., New Delhi

Global Case Studies Highlighting Large Scale Flash Chromatography in Pharma API Manufacturing

Large scale-chromatography plays an important role in the purification of multi kg batches of crude APIs. Very often, existing in-house custom purification processes involve long process time, high solvent consumption, variation in batch to batch reproducibility and decrease in overall mass recovery.

Furthermore, exposure of large amounts of loose Silica during manual packing and disposal may create health hazard and can prove to be a constant environmental threat. In many cases, a commercially available purification system specifically designed for a manufacturing environment can represent an attractive alternative.

One such alternative is Flash 400 large-scale chromatography system that comes with pre-packed cartridges adhering to GMP guidelines.

In this presentation, we will evaluate the adoption of this system for several different purification applications in Pharma API manufacturing.

“

PURIFY'24 West presented
very good networking
opportunities.

Ashok Chaudhari

Associate Director - Analytical Research,
Emcure Pharmaceutical Limited

”

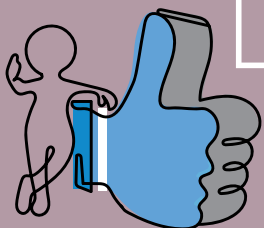
“

The best part of the event
was that genuine issues were
discussed in the panel discussion.

Abhijit Desai

Manager R&D,
FDC INDIA

”





Jordi Bacardit Cabado

Advisory Board,
Sanitech Engineers Pvt. Ltd., Mumbai

The Importance of Knowing What is in Your Crude Product and in the Solvents Used for Purification

The presentation will discuss in detail the importance of knowing the nature of the impurities present in your crude product before designing the strategy for the purification.

Will discuss impurities related to your substance as well as impurities that are not related to it but can be present because of the solvents/reagents used in the process and during the purification itself.

Will discuss the importance of isolation of impurities in the crude to be able to design which purification methods and which purification media are optimal for their resolution.

“

At PURIFY'24 West I witnessed very good quality presentations and panel discussions.

Laxman Malge

Partner,
Florentis Pharmaceuticals Pvt. Ltd.

”

“

The talk on LC stationary phases to accelerate analytical to purification scale up operation was the best thing at PURIFY'24 West.

Sunil Mohan Takmoge

Senior Research Officer,
Glenmark Life Sciences Limited

”



Sunder Ch.

Director - Engineering & Automation,
Intech Analytical Instruments, Hyderabad



Venkat Reddy Thangella, Ph.D.,

Director - Strategic Growth & Scientific Operations,
Intech Analytical Instruments,
Hyderabad

Current Challenges and Innovative Solutions in Large Scale Peptide Manufacturing

Peptides are vital in therapeutics due to their roles in numerous biological functions and their potential in treating various diseases. The use of peptides has surged due to advancements in peptide synthesis, improved stability, and targeted delivery methods. Over recent decades, peptide development has evolved with enhanced techniques for Synthesis and Purification. However, post-fraction collection of peptides faces challenges such as high initial costs, the need for specialized training, and potential technical issues. Integrating post-fraction automation into Hanbon-Intech ATEx systems addresses these challenges, offering significant technical and operational benefits. This technology ensures efficient, precise, and reliable fraction collection and management, maintaining sample integrity and quality. Key advantages include high-volume handling with precision, reduced manual errors and contamination, optimal temperature control, and enhanced automation for increased throughput and operational efficiency.

“The best thing for me was
meeting three of my
ICT teachers.

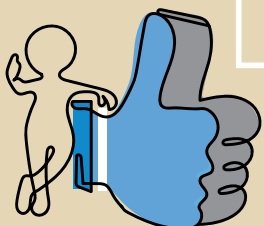
Nitin S. Patil

Head API - Peptides and Downstream
Research and Development,
Biocon Limited

“The communication and
organisation was the best thing
about PURIFY'24 West.

Sri Krishna Varma Penmetsa

Senior Manager AR&D,
Bycus Therapeutics Pvt. Ltd.





Akshay Holkar

Area Sales Manager - Chromatography,
Avantor Performance Materials India Pvt. Ltd., Mumbai

Utilising Unique LC Stationary Phases to Accelerate Analytical to Purification Scale-Up Operation

For any successful purification, optimum separation of the mixture is important. A mixture may contain vast variety of molecules with different physicochemical properties. Separating and purifying such mixture becomes a challenge using conventional stationary phases. Avantor® ACE® unique stationary phases with enhanced selectivity play an important role in achieving such separations. In this session, the speaker will provide insights on selectivity of these unique stationary phases that helps separation and purification with some case studies. Scale up is one of crucial part after achieving successful separation. Analytical methods can be translated to a preparative scale using ACE® translator tool. One of the case studies for this translation will be discussed.

“

To me, the best thing at
PURIFY'24 West was the talk
by Dr. Jordi Bacardit.

Ajit Chundgude
Cipla Limited

”

“

This is a good event on purification
and for bio molecules as well.

Sanjeev Kudambulkar
Area Sales Manager - Biopharma,
Avantor Performance Materials India Private Limited

”



Balaji Sitharaman, Ph.D.,
President, Millennial Scientific,
New York

Carbon Microbead Media for the Purification of Liraglutide and Semaglutide

Semaglutide and Liraglutide are peptide drugs to treat diabetes and obesity. They are glucagon-like peptide-1 (GLP-1) analogs that mimic GLP-1 receptor agonists, a natural hormone that regulates blood sugar levels. Separation and purification of these peptides are essential to meet drug quality requirements.

This presentation highlights our recent efforts to separate and purify these peptides using our novel graphitic carbon microbead reverse-phase media.

“

Panel discussions are
the best part of
this event.

Adinath Jain
GenPep Pharmaceuticals Pvt. Ltd.

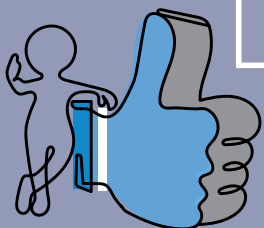
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“

The panel discussion on
next growth wave was the best
thing at this PURIFY!

Satish Yadav
Director, Head Quality Compliance Execution and
Laboratory Excellence,
Cipla Limited

”



**Srushti Sanghavi - Shah**

Manager, Peptide Purification,
Nanghavi Chromatography Solutions Pvt. Ltd., Mumbai

Peptide Purification Strategies - Case Study of Glargine

Reverse Phase chromatography using silica is the final polishing step used in the purification of peptides, which allows to achieve the highest purity of the final product even with the complex impurity profiles. During this final polishing step, there are multiple challenges in attaining the desired purity mainly because the impurities in the peptide purification are very often than not extremely similar in structure to the peptide in focus. Often, only by a single functional group. Thus, this polishing step requires a strategic approach based on the type of challenge faced during the purification. Challenges such as fibrillation of peptides, formation of monodesamino (B-3) insulin, pH of the mobile phase used etc. are often encountered. These can be overcome using a strategic approach targeted at that specific challenge. The method that is developed needs to bear in mind the dilemma of any preparative chromatography scientist to strike a balance among purity, yield and throughput.

Choosing the correct resin has a direct impact on the quality of the end product. NALB Saga has been used in the study of Glargine and the impact it has on its impurity profile is demonstrated in this presentation.

“ The variety & depth of the subject with respect to the overall sessions was very good.

Vinayak Vele
DGM ADL - FDC,
FDC INDIA

”

“

It was great to experience the knowledge and experience sharing by experts.

Hanmant Vedpathak
Principal Scientist - Sophisticated Instrument Facility,
Emcure Pharmaceutical Limited

”



Darshan Engineer

Sr. Business Development Manager,
Phenomenex India Pvt. Ltd.,
Hyderabad

Optimising Purification Efficiency and Cost - Selecting the Right Media

Since 1982 we have been dedicated to creating and delivering premium quality products for the separation sciences. Our progression from an analytical column supply company to one of the world's highest quality bulk silica and polymer manufacturers gives us a definitive edge. Today we are a global leader and we back up our leading technologies with the highest service level in the industry.

Phenomenex offers bulk chromatographic media and services that reduce your operating costs, shorten your development time, and ensure that you achieve the maximum return on your investment. Phenomenex have redefined the standard for industrial process media and control of all media production. During this presentation, we will review media innovation, global bulk chromatography services to help you reduce costs, our commitment to quality in our media and chromatographic performance, and manufacturing capabilities to meet your process and industrial scale requirements.

“ I had a fantastic experience at the Purify'24 event. The organisation, speakers and overall atmosphere were top-notch. I got valuable insight and meet wonderful people overall good event.

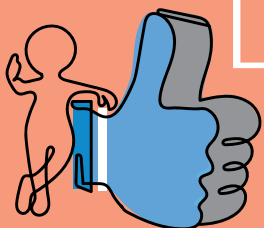
Lalaso Mahind

Application Manager - Chromatography,
Avantor Performance Materials India Private Limited

“ Panel discussion was insightful, catering to need of the industry.

Girish Sawant

Principal Scientist R&D,
Biocon Limited



**Hemant Kohli**

International Business Cum Technical Director,
AgileBio Technologies, China

Credence for Choosing the Right Media for the Right Scale-ups: A Few Case Studies

Scientific professionals employed in custom synthesis CRO/pharmaceutical industries frequently encounter difficulties in determining which chromatographic media to use for purifications ranging from analytical separations to lab/synthetic purification scale to process scale, due to the various methodologies and media utilised. AGILE BIO, a prominent manufacturer, provides solutions in which the media selection remains consistent across analytical, lab, flash purification, and process scales. Additionally, the company offers preparative/HPLC/DAC columns to facilitate scientific research and streamline processes, particularly for those engaged in analytical or preparative purifications.

Contemporary Difficulties in Purification Separations

1. Chromatographic techniques tailored to particular workflows
2. Method development for separations by preparative chromatography
3. Consider Beyond%B
4. Develop a Scale-Up Strategy in Advance
5. Exercise Extreme Caution When Handling Substantial Volumes of Solvents
6. Prevent Frequent Errors in the Assessment of Acquired Fragments

Practical Instances Images will demonstrate how selecting similar chromatographic media from analytical to process scale can address certain unquestionable challenges that the pharmaceutical industry has been confronted with for centuries. Furthermore, the introduction of AI tools in pipeline predictability will facilitate data validation and process assurance.



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Mr. Digvijay Singh
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Confidence in a supplier of bulk purification resin and pre-packed preparative HPLC columns doesn't stop with the ability to consistently deliver quality products on time. We partner with your team from initial development, through scale-up and into production offering cost-effective solutions at each step.

Bulk and Scale-up Chromatography Services in India

Our group is a multifaceted purification service and support network designed to provide chiral and achiral media selection assistance for your purification solutions to process scale and industrial scale chemists throughout India.

Phenomenex Services

Our goal is to assist you in minimizing your purification process.

- Annual national level Preparative Symposium.
- On-site technical seminars on preparative chromatography
- Media screening and selection (chiral, reversed phase, normal phase, and ion-exchange)
- Trial scout column
- Method development and optimization
- DAC (Dynamic Axial Compression) column packing assistance
- Scale-up studies
- Non-GMP purification performed at our facility
- Technical assistance throughout the purification process
- Proof of concept purification method development Tech Notes



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& counting

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CRDMO

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with sites in USA, UK & India

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across biotech,
small & mid
and big pharma

**18 of the
top 25[~]**
large pharmaceutical
companies work with us[^]

2845[#]
strong talent pool

* In terms of revenue CAGR as well as EBITDA CAGR from FY22 to FY24

[^] During FY 2024

[~] As per CY 2023 revenue

[#] As of March 2024

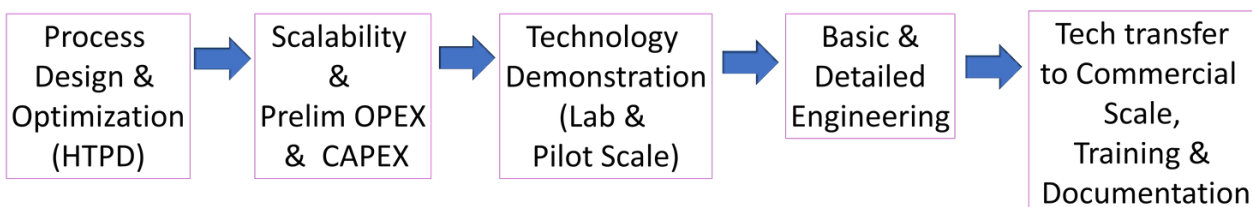


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Phase for API and
Peptide Purification,
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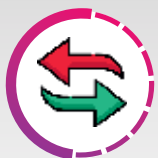


The Swiss Knife of Analytics

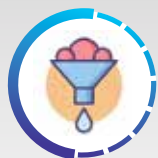
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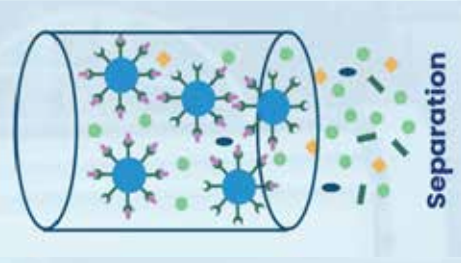
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Know More





HIGH PURITY GRADE

CUSTOMIZABLE

ADSORBENTS FOR COLUMN CHROMATOGRAPHY



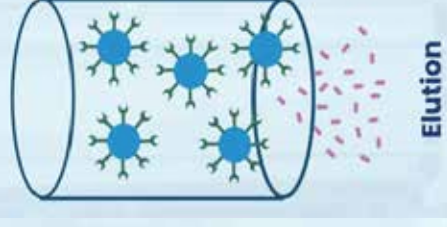
MIXED COMPOUNDS



SILICA GEL OR ALUMINIUM OXIDE



OXIDE ACTIVE COMPOUND



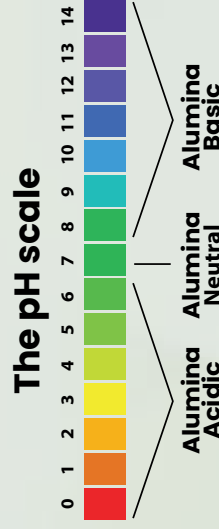
CHROMATOGRAPHIC ADSORBENTS FOR PURIFICATIONS – EXTRACTION – SEPERATION

Silica Gel Grades



35	-	70	Mesh	200	-	400	Mesh
60	-	120	Mesh	230	-	400	Mesh
100	-	200	Mesh	400	-	600	Mesh
70	-	230	Mesh	600	-	800	Mesh

Aluminium Oxide Grades





A BOUTIQUE

EXHIBIT ZONE

49

Table Partners





A Boutique **Exhibit Zone**

It's a tremendous value-add to a great event. The highlight being the highly motivated table partners who went miles to put together a showcase of their products and services.

A mini-exhibition that buzzed with activity throughout the day...business enquiries on each table was the satisfying result!











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- **Sigma Aldrich – Merck** – Life Science Products, Excipients
- **Avantor, USA** – Ace Columns, JT Baker Range of Solvents
- **Advent Chem Bio, India** - Fine & Speciality Chemicals
- **Apollo Scientific, UK** - Research chemicals, including intermediate building blocks, fluorochemicals, and life science reagents
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VISUAL

TOUR

59



For Thought Provoking Leadership in
Chromatography Purification



7th June
2024
10:30 am



7th June
2024
2:50 pm



9th June
2024
10:30 pm

Days Before to **Day Before!**

It was built brick by brick; some days challenging...some nights fun...weeks of chaos, yet together we were always on the run! We tried to keep in mind the minutest of details...we, however, did slip at places only to reaffirm that we would get up better and build another one brick by brick again!



11th June
2024
9:15 pm



11th June
2024
9:30 pm



11th June
2024
9:45 pm

11th June
2024
10:12 pm



11th June
2024
11:45 pm



12th June
2024
1:25 am



12th June
2024
2:45 am



12th June
2024
3:10 am



12th June
2024
4:10 am



The banquet is
prim and proper...
awaiting its
valued attendees!







Crowning Glory

The hour dawned, unveiling of PURIFY'24-West was an emotional moment for us as we were set to unveil the biggest PURIFY event ever! Pearl of an edition, rightfully, in the city of pearls! This is the biggest moment of truth for all our efforts...thank you, dear Industry, for your overwhelming response in every single way!





Constellation of Stars

The celestial speakers, as they spoke, took the event to another orbit. It turned out to be akin to the 'Big Bang Theory' that vividly provided a 360 degree perspective to the planet called 'Chromatography Purification'. The speakers made sure that there was no dark matter...everything highlighted was lucidly explained.



Professor M. M. Sharma

Emeritus Professor of Eminence, Institute of Chemical Technology, Mumbai



Olga Krivosheeva

Application Project Manager, Nanologica AB, Sweden



Navin Devadiga

Asst. Manager - Drug Discovery, Business Development, Shimadzu Analytical (India) Pvt. Ltd., Mumbai



M. V. Narendra Kumar Talluri

Director, Daicel Chiral Technologies, Hyderabad

PURIFY'24 West was a very well organised, wonderful platform for connecting wonderful knowledge base with experts from industry.

Shrikrishna M. Nandanwadkar

Product Manager, Nexus Biotech Pvt. Ltd.

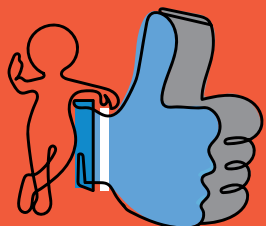
“

Scheduling of talks and panel discussion content was the best part of PURIFY'24 West.

Prashant Pandit

Manager, IPCA Laboratories Ltd.

”





Anil Oroskar, Ph.D.,
CTO and Founder,
Orochem Technologies Inc., USA



Manish Thakur
Business Development Manager,
Buchi India Pvt. Ltd., Mumbai



Fredrik Limé
Ph.D., Technical Development Manager Pharma, Personal
Care & Pharma | Performance Formulations, Kromasil,
Sweden



Jayati Banerjee, Ph.D.,
Portfolio Manager, Organic and Peptide Workflow,
Biotage India Pvt. Ltd., New Delhi

“Panel discussion with company heads. And the discussion on AI was interesting.”

Pravin Chindarkar
Manager,
IPCA Laboratories Ltd.

“Networking was the best thing at PURIFY'24 West.”

Siva Kumar
Sales Director,
Labmate Asia Pvt. Ltd.

“Best part of the event was the panel discussion on market demands and scale-up challenges for Semaglutide & Tirzepatide.”

Meghna Vanza
Research Director,
Ipsium Lifesciences LLP



Jordi Bacardit Cabado
Advisory Board,
Sanitech Engineers Pvt. Ltd., Mumbai



Venkat Reddy Thangella, Ph.D.,
Director - Strategic Growth & Scientific Operations,
Intech Analytical Instruments, Hyderabad



Balaji Sitharaman, Ph.D.,
President,
Millennial Scientific, New York



Srushti Sanghavi - Shah
Manager, Peptide Purification,
Nanghavi Chromatography Solutions Pvt. Ltd., Mumbai

“ PURIFY'24
West – A good
platform to explore
your ideas & queries.

Bhushan Kirange
Senior Research Scientist,
Lupin Limited

“

Was able to meet
Professor M. M. Sharma.

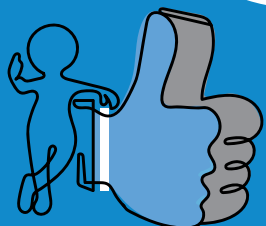
Prakash Kotwal
General Manager Manufacturing,
Lupin Limited (Biotech Division)

There were great knowledge sharing sessions
that were useful.

Swapnil Zadbuke
Principal Scientist,
Lupin Limited

”

”





Sunder Ch.,

Director - Engineering & Automation,
Intech Analytical Instruments, Hyderabad



Akshay Holkar

Area Sales Manager - Chromatography, Avantor
Performance Materials India Pvt. Ltd., Mumbai



Darshan Engineer

Sr. Business Development Manager,
Phenomenex India Pvt. Ltd., Hyderabad



Hemant Kohli

International Business Cum Technical Director,
AgileBio Technologies, China

“The panel discussion on
‘Biologics – The Next Big
Opportunity for Purification’,
was the best thing at
PURIFY’24 West.
Someshwar Tupake
M J Biopharm

”

“To me the best thing
at PURIFY was the
presentation on
purification by SFE &
SMB.

Bhavsar Jigar
General Manager I CRD-API,
Mankind Research Centre

“Management and data
sharing was really impressive
at PURIFY’24 West.
Balaji Sitharaman
Director,
Millennial Scientific

”



Prof. Aniruddha B. Pandit

Vice Chancellor,
Institute of Chemical Technology, Mumbai



Damodharan Satagopan

CEO - API,
Sun Pharmaceutical Industries Ltd., Mumbai



E. R. R. Chandrashekar, Ph.D.,

Head API - R&D, Vice President,
Lupin Limited (Research Park), Pune



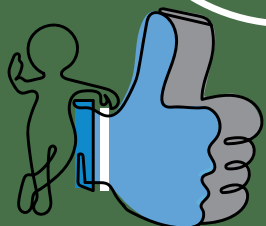
Swaminathan Sivaram

Professor Emeritus and INSA Emeritus Scientist,
Indian Institute of Science Education and
Research (IISER), Pune

“ The
presentations
were mind-blowing
without any lag.

Bharath Krishna K.

Manager - Sales and Marketing,
N2 P2 Inc.



“

The content of event was the best thing.

Dharmesh S. Bhatt

Head-Analytical,
O2H Discovery Private Limited

”

“

The discussion topics and timeframe
followed were good at
PURIFY'24 West.

Ashish Chinchansure

Deputy Manager - Analytical Chemistry,
Natural Remedies Pvt. Ltd.

”



Prof. V. N. Rajasekharan Pillai
Moderator
Vice Chancellor,
Somaiya Vidyavihar University, Mumbai

Panel Discussion **Skilling: A Big Need for the Next Growth Wave – Get Ready!**

“ The best thing at PURIFY24 West was highlighting a real / current problem of the industry of lack of skilled individuals vide a panel discussion. This will definitely help the industry and academics to think on collaborative research.

Ninad V. Puranik
Asst. Director,
OmniActive Health Technologies Ltd.

”

“ PURIFY'24 West - Well organised, panel, discussion topics and the communication by the presentations was the best thing at PURIFY'24 West.

Ankit Bhatt
Manager - R&D (FRD),
Pharmanza Herbal Pvt. Ltd.

”



Indraneel Sanyal

Sr. Director, Biologics Development, Aragen
Biologics Private Limited, Bengaluru



Indraneel Sanyal

Sr. Director, Biologics Development,
Aragen Biologics Private Limited,
Bengaluru



Madhu Utamsingh

Designated Partner, Hemmo Pharma LLP, Mumbai;



Prakash Kotwal, General Manager Manufacturing,
Lupin Limited (Biotech Division), Pune;

PURIFY'24 West is organised very well with multiple presentations on the latest in technology. It is also a medium for various vendor interactions.

Umamaheshwar Puppala

Director,
Sai Life Sciences Limited

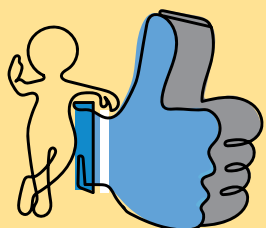
“

The panel discussions provide insights of industry pain points & motivates all to get solutions for better business opportunity.

Parin Shah

Manager Process Development,
Sanitech Engineers Private Limited

”





Somesh Sharma

Moderator

Executive Vice President, Discovery Services,
Aragen Life Sciences, Hyderabad

Panel Discussion **Biologics: The Next Big Opportunity for Purification**

“

Very well organised event
with a good choice of
speakers and subject
coverage.

Padma Shree Vankar

Head, Shimadzu - Somaiya
Vidyavihar University

”

“

Having prominent
experts of peptide
field under one roof
especially during panel
discussion was the best
thing at PURIFY'24 West.

Surabhi Tanwar

Sorbchem India Private Limited

”

“

PURIFY'24 West is great
event and what a great
management. I like it!

Adesh Kurkute

Research Scientist,
Piramal Pharma Limited

”



Panel Discussion
**Market Demands
and Scale-up
Challenges in Context
of Semaglutide and
Tirzepatide**



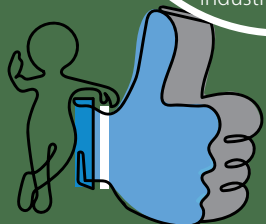
Muralidharan Chandrakesan

Moderator

Vice President, Auropeptide Ltd.,
Hyderabad

“ Panel
discussion on
‘Skilling’ is biggest
need for next growth.

Anilkumar Bhatt
Senior Manager - 1,
Sun Pharmaceutical
Industries Limited



“ All presentation regarding purification
were very good at PURIFY24 West.

Shivaji Digambar Dhole

Group Leader,
Synthink Research Chemicals”

“ PURIFY – It is precise and to the
point discussion, with respect of
time in presentations.

Satyajeet V. Tillu

Site Head – GM,
Piramal Pharma Limited”



Arvind M. Lali

Chief Technical Officer, Vidyan BioCommerce Pvt. Ltd., Mumbai, Retd. Professor of Chemical Engineering and Former Head, DBT-ICT-Centre for Energy Biosciences, ICT, Mumbai



Chetan Doshi, Ph.D.

Chief Scientific Officer, R & D, Generic Research, USV Private Limited, Mumbai



Nitin Patil, Ph.D.

Head API - Peptides and Downstream Research and Development, Biocon Limited, Bengaluru

“

The academy and industry experts' session was the best part of PURIFY'24 West.

Purnendu Roy Chowdhury

Vice President - Analytical, TCG Lifesciences Pvt. Ltd.

”

“

At PURIFY24 West, both the presentations & the panel discussions were good.

Harish Kumar

Head - FBT R & D, Zydus Lifesciences Limited

”

“

It was good to listen to 'Market demands and scale up challenges in context of semaglutide and tirzepatide'.

Shakil Sait

HOD ARL (Analytical Research Laboratory), USV Private Limited

”



Panel Discussion **Empowering Productivity through AI Integration**



Manish Chawla

Moderator

Managing Partner,
Custage Marketing Solutions LLP, Mumbai

“

This conference is
very informative.

Nilesh Patil

Chief Manager Production,
Piramal Pharma Limited

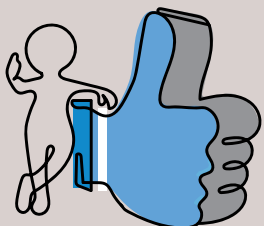
“

At PURIFY'24 – Panel discussion insights &
their views on upcoming challenges and
how to deal it with was the best thing.

Nandlal Yadav

Sr. AGM - ARL,
USV Private Limited

”





Somesh Sharma

Executive Vice President, Discovery Services,
Aragen Life Sciences, Hyderabad



Swapan Kumar Jana

Director - R&D and Manufacturing Human Vaccine
Development, Serum Institute of India Pvt. Ltd., Pune

“

It will help to us in our current
purification techniques
and it is advantageous to
understand our projects.

Brijeshkumar Patel

Sun Pharmaceutical Industries Limited

”

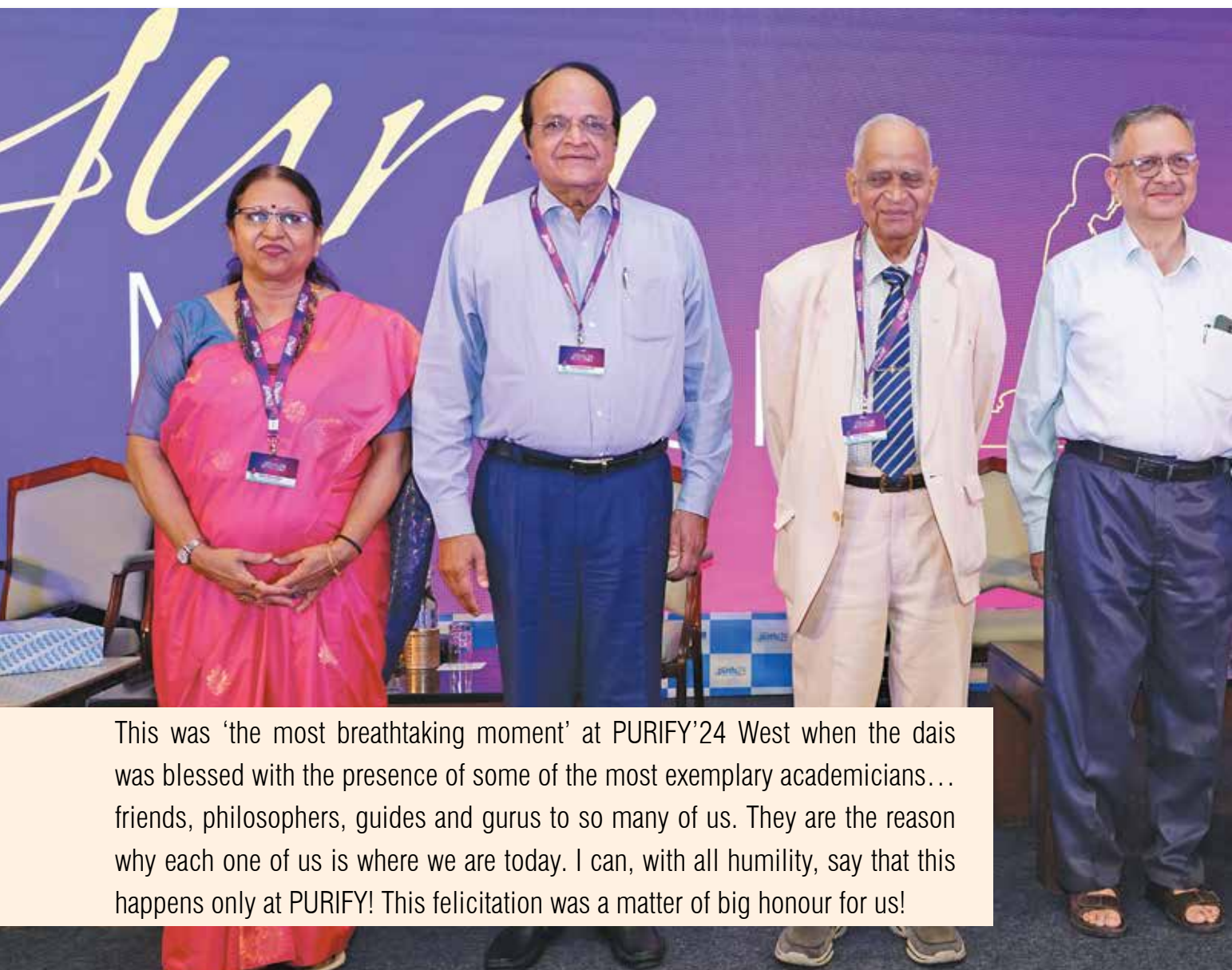
“

The best part of
PURIFY'24 West was that we
could witness all purification
techniques at one place.

Ganpatdan Charan

Principal Scientist,
Zydus Lifesciences Limited

”



This was ‘the most breathtaking moment’ at PURIFY’24 West when the dais was blessed with the presence of some of the most exemplary academicians... friends, philosophers, guides and gurus to so many of us. They are the reason why each one of us is where we are today. I can, with all humility, say that this happens only at PURIFY! This felicitation was a matter of big honour for us!

“

Highlighting the new innovations in market, as well as the challenges was the best part of PURIFY’24 West.

K. Narayana Prasad

Senior Manager,
Sun Pharmaceutical Industries Limited

”

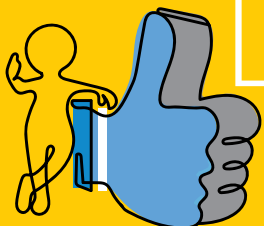
“

The learning process with subject and instrumented examples was the best thing of PURIFY’24 West.

Purveshkumar Dobariya

Sr. Scientific Manager,
O2H Discovery Private Limited

”





A moment of personal gratitude for me (Manish Chawla). Thank you, Anurag Toshniwal (right) and infact, the entire Toshniwal family for playing such an important role in nurturing my career and teaching me when it mattered the most. And then, a big thank you to Dr. Bansi Lal (left) for being my first customer 32 years ago and helping me understand what was expected out of me. I will remain indebted forever!



“ PURIFY is the perfect platform for understanding the beauties of separation sciences & innovation in purification.
Tejas Namjoshi
Director,
OmniActive Health Technologies Ltd. ”

“ PURIFY'24 West captured different angles of the chromatography purification sector. To me, this was the best part of the event.
Vallabh Mulay
Manager - Research & Tech,
Pharmanza Herbal Pvt. Ltd. ”



Baat Bann Gayi!

They spoke, and they spoke and they spoke! Networking opportunities scored high in both, quantity and quality. This magnum opus from Custage Marketing Solutions struck a strong chord amongst all - be it business or personal!

























Two-Together





Knowledge, The Fibre of Success



PURIFY'24-WEST came with something for everybody. The audience stayed right till the very end! The right speakers, the right topics, the right schedules, the timeliness of execution, all contributed to the rapt attention as knowledge was seamlessly flowing through the day for unparalleled enrichment.

















For Thought Provoking Leadership in
Chromatography Purification

LUCKY DRAW WINNERS!



Vallabh Mulay from Pharmanza Herbal Pvt. Ltd. (left) wins the Mega Prize, presented by Jordi Bacardit Cabado (extreme right) from DocuChem SLU / Sanitech Engineers



L'Occitan
Gift Box

Sunith Mandala from Exfinity Ventures (left) is all smiles when he wins his prize, presented by Venkat Reddy Thangella from Intech analytical Instruments (right).



Amazon
Fire TV Stick

“

Amazing exposure, and meeting opportunity with industry experts.

Mohit Kawa

Business Development Associate,
Sawant Filtech Pvt. Ltd.

”

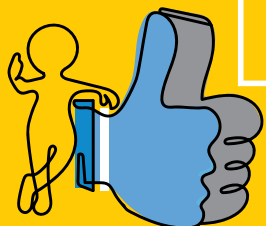
“

The best part of the event was panel discussions which involved thoughts of the panelists with various opinions.

Trishna Khadke

Process Engineer,
Sun Pharmaceutical Industries Limited

”





Portronics
Smart Fitness Wristband

Jagmohan Singh from Lupin Limited (Research Park) (left), a proud winner; the prize is presented by Hemant Kohli from Agilebio (Tianjin Biosepur Purification Equipment Material Technology Co. Ltd) (right).



Monika Sangal from Millennial Scientific (left) receives her prize from Nilesh Badani from Sanitech Engineers Private Limited (right).



Noise
Wireless Buds



Tommy Hilfiger
Ranger Leather Passcase

Vinayak Vele from FDC India (left) is joyous on receiving his prize, presented by Swapan K. Jana from Serum Institute of India (extreme right).



“ Best networking opportunities and updates for staying relevant in terms of knowledge and current affairs were the key takeaways at PURIFY’24 West. ”

Prashant Shetkar
CEO,
N2 P2 Inc.

“ The best thing at PURIFY’24 West was bringing together the best of the industry and academia on a single stage to address the gap in skills and exposure of degree and requirements. ”

Sumeet Kumar
Manager,
Teva API India Pvt. Ltd.



Beyond **Business**

A pen stand made of soapstone with inlay; soapstone is believed to promote rational and creative thinking, while having an effect of positive and calming energy.



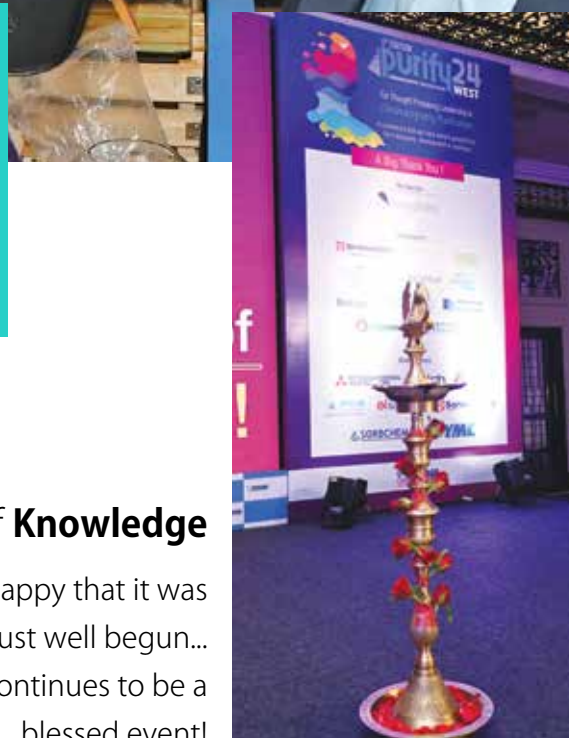
A Digital **Podium!**

A stylish change...from a typical static podium to a 'digital podium' with dynamic content and a unique communication platform.



The Big **Bag!**

The bag got its share of appreciation as well. A quality bag containing quality content for the discerning delegates! This one had it all! The latest information sheets from the sponsors reached every single attendee.



Light of **Knowledge**

We were happy that it was more than just well begun... PURIFY continues to be a blessed event!



PURIFY **Embraces AI**

PURIFY continues to be forward looking in its implementation and showcased the power of AI wherein every attendee could register his/her face, and AI would do image mapping and share all the images where he/she is featured, right on their 'WhatsApp'! The participants were excited at this prospect and amazed with the response!

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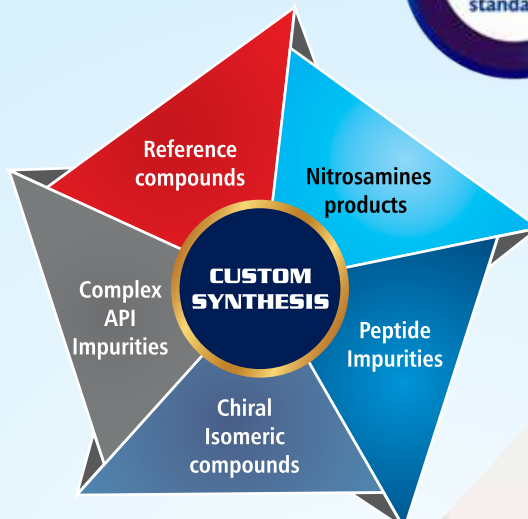
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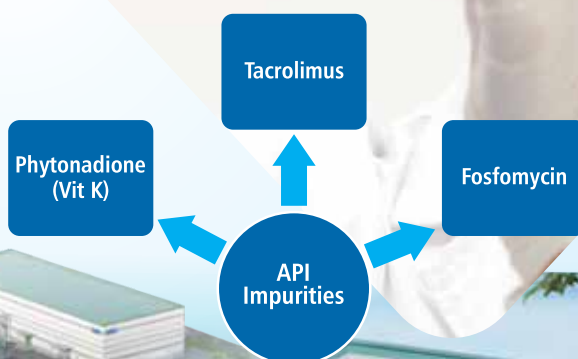
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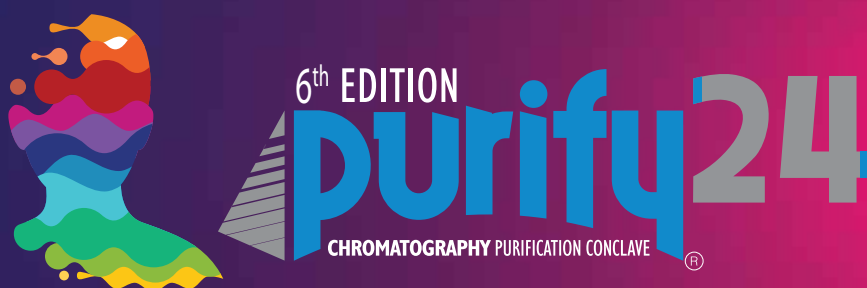
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