

GOA UNIVERSITY
SCHOOL OF CHEMICAL SCIENCES

REPORT

**EXPERT SESSION on HPLC Columns by Mr. Sunil Balwant Lakhmapure, Agilent Technologies in SCS
on 15/09/2022**

In line with the efforts of SCS toward Awareness of Trends in technology among students and faculties, a session was scheduled entitled "Learning session on HPLC column usage and care" By Mr. Sunil Balwant Lakhmapure, HPLC application expert, Agilent Technologies India Pvt. Ltd. on Thursday, 15/09/2022 at 02:30-03:30pm in SCS LH-3 classroom. (notice attached)

Mr. Sunil B Lakhmapure has working experience of about 20 years in Analytical field mostly in Pharma & Instrumentation area. He has good knowledge of Instruments like HPLC, GC, LCMS, & GCMS. And published some Application notes on LC & LCMS. He is presently working in Agilent Technologies India Pvt. Ltd. for Application support - LC & GC columns & consumables. (Brief CV attached)


Dean, SCS, Prof. V. M. S. Verenkar welcomed the invited speaker and the other two accompanying industry delegates Mr. Pravin Nawale and Mr. Lavu Parab, Agilent Technologies India Pvt. Ltd. Dean explained about the importance of such activities in increasing knowledge about instruments and this further helps them during placement interviews. This activities also facilitate their better performance in industrial jobs. Dr. Hari K. Kadam, introduced the resource speaker and mentioned about the experience and expertise of resource person to the participants.

For the session, Mr. Sunil B Lakhmapure begin explaining the use of HPLC in drug analysis with real life examples of doping analysis of sportspersons, etc. He explained about the column as one of the important components in HPLC and how it effects the resolution, efficiency, retention and selectivity during chromatographic separation. He further differentiated between normal phase and reverse phase chromatographic separation and columns involved therein. He mentioned about various types of columns C18, C8, polar, HILIC, Chiral columns available for diverse separations. He mentioned the importance of type of column material, particle size, operator skill, and how this affect the separation and efficiency in analysis of complex mixture samples. He informed that small particle size column gives better separation. He also talked about various solvent systems used as mobile phases for HPLC separation like Acetonitrile, Methanol, Water, Buffers, etc and the effect of mobile phase gradient and temperature, to avoid tailing during chromatographic separation. He also informed about Guard columns, and importance of filters and pre-treatment for long life of specialised columns.

This session led to highly informative discussion on HPLC column usage among the participants, and the resource person resolved all the queries raised by faculties and PhD students regarding column selection and column care in specific areas. The talk ended with vote of thanks by Dr. Hari K. Kadam.

The talk was very informative and motivating for research students as well as MSc students for their dissertation work. Students gained knowledge about various types of columns available for HPLC separation, choosing the proper column for specific applications and also how to take care of column for better separation efficiency and long lifespan of columns. This activity also built their confidence in addressing questions that could be asked by interviewers for placement in analytical field.

This talk was attended by 50 participants, particularly faculties, MSc students and PhD students of School of Chemical Sciences, Goa University. (Attendance copy and photos attached)


(Coordinator)
Reported by
Dr. Hari K. Kadam




20/09/2022
Prof. V. M. S. Verenkar
Dean, SCS

Date: 15/09/2022

Time: 2:30pm

Name of Speaker: Mr. SUNIL B. LAKHMAPURG;

HPLC Application Expert, AGILENT TECH. INDIA PVT. LTD.

Titelg talk: learning session on HPLC column usage & Care

Venue: LH-3 Classroom, SCS

ATTENDANCE

Sr. No.	Name	Sign
1	Sandesh Bujde	
2	Prayesh S. Vorniker	
3	Prachi S. Toray	
4	Rupesh Patre	
5	Shreyal Vaz	
6	Deepthi Velip	
7	Jewella Coutinho.	
8	Namrata Kumari	
9	Leo F. B. D'Sauza	
10	Suyash S. Sangaonkar.	
11	Vandit V. Mandalkar	
12	Bernice Viegas	
13	Elmy Braganca	
14	M. Shivani	
15	Navanki Namdev Naik.	
16	Tanuja Ashok Kholkar	
17	Tanay Palyekar	
18	Savia Coutinho.	
19	Navin Mohan Mandekar	
20	Shruti Prasanna Barve	
21	Kate Fernandes	
22	Apurva Karapurkar	
23	Brijesh Guonkar	
24	Deepraj. Naik	
25	Dinesh. N. Nadimetha	

26.	Reis, Estrocia	Reis
27.	Ratan Tadhan	Ratan
28.	Harshad mirgane	HAM
29.	Siddhi Salgankar	Salgankar
30.	Pritesh P. Khobrekar	PK
31.	Sheetal Sharma	Sheetal
32.	Shrushti Patgar.	SPatgar
33.	Oumaysaouda H. Sayyed	Oumaysa
34.	Ludwin Menon	Ludwin
35.	Aishwarya Angadi	Aishwarya
36.	Manuitha Pandey	Manuitha
37.	Roshan begum Kanyal.	Roshan
38.	Siddhi S. Haldankar	Siddhi
39.	Vidhya v. Gavade	Vidhya
40.	Anna Kollannur	Anna
41.	Khushi Shrivastav	Khushi
42.	Vidhya Chigadinkopkar	Vidhya
43.	Sumedha Ghadi	Sumedha
44.	Shavita Pagi	Shavita
45.	Neha Mavrya	Neha
46.	Upma Gaonkar	Upma
47.	Samiksha Gaonkar	Samiksha
48.	Manjusha Gaonkar	Manjusha
49.	Amruta Velip.	Amruta
50.	Hari K. Kadam	Hari

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Cc: Dean School of Chemical Sciences <dean.scs@unigoa.ac.in>, Vice-Dean (Research) SCS <vdeanresscs@unigoa.ac.in>, Vice-Dean (Academic) SCS <vdeanacascscs@unigoa.ac.in>, chemistry <chemistry@unigoa.ac.in>, Kiran Dabholkar <kiran@unigoa.ac.in>, <pravin.nawale@agilent.com>, <sunil-balwant.lakhmapure@agilent.com>

GOA UNIVERSITY
SCHOOL OF CHEMICAL SCIENCES
NOTICE

In line with the efforts of SCS toward Awareness of Trends in technology, a session is scheduled as per following details

Title: Learning session on HPLC column usage and care.

Speaker: Mr. Sunil Balwant Lakhmapure, HPLC application expert, Agilent Technologies India Pvt Ltd.

Date: Thursday, 15/09/2022

Time: 02:30-03:30pm

Venue: SCS LH-3 classroom

All are invited.

Regards
Secretary, School Council, SCS

Thanks & Regards

Dr. HARI K. KADAM

Asst. Professor

School of Chemical Sciences

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Ph. +919922701297

<https://publons.com/researcher/2405487/hari-k-kadam>

RE: UNVERIFIED SENDER Re: Agilent Learning Session: Columns usage and care.

sunil-balwant.lakhmapure@agilent.com <sunil-balwant.lakhmapure@agilent.com> Thu, Sep 15, 2022 at 1:41 PM
To: Hari Kadam <harikadam@unigoa.ac.in>, "pravin.nawale@agilent.com" <pravin.nawale@agilent.com>
Cc: "lavu-satyawan.parab@agilent.com" <lavu-satyawan.parab@agilent.com>

Hi Sir,

Please find my CV

Sunil B Lakhmapure

About 20yrs experience in Analytical field. Mostly in to Pharma & Instrumentation

Good knowledge with Instrument like HPLC,GC,LCMS, & GCMS.

Published various Application notes on LC & LCMS.

Current Role :- Application support LC & GC columns & consumables.

Regards

Sunil Lakhmapure

From: Hari Kadam <harikadam@unigoa.ac.in>

Sent: 14 September 2022 13:10

To: NAWALE,PRAVIN (Agilent IND) <pravin.nawale@agilent.com>

Cc: PARAB,LAVU-SATYAWAN (Agilent IND) <lavu-satyawan.parab@agilent.com>; LAKHMAPURE,SUNIL-BALWANT (Agilent IND) <sunil-balwant.lakhmapure@agilent.com>

Subject: UNVERIFIED SENDER Re: Agilent Learning Session: Columns usage and care.

External Sender - Use caution opening files, clicking links, or responding to requests.

Dear Pravin

Kindly confirm that this session is tomorrow, Also send me a brief cv of the speaker.

Thanks & Regards

Dr. HARI K. KADAM
Asst. Professor

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<https://in.linkedin.com/in/dr-hari-k-kadam-8937836a>

On Wed, Sep 14, 2022 at 12:41 PM pravin.nawale@agilent.com <pravin.nawale@agilent.com> wrote:

Hi Sir

Greetings!!

As discussed, we will have short classroom training session on Columns usage and care at 2:30pm for approximately one hour. I will be accompanied by Mr. Sunil who is a columns and applications expert and Mr. Lavu is our sales colleague taking care of Maharashtra and Goa business.

The session can be for 10-15 students/Users with faculty members. I encourage to take maximum advantage of this learning opportunity.

Kindly confirm. Thank you.

Pravin Nawale

Sales Account Manager- Goa.
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LC Column application & Maintenance



Sury M Kashyap
Technical support specialist
Chemicals & Supplies Division





LC Column application & Maintenance

Sunil B Lakkimpure
Technical support specialist
Chemistries & supplies Division













What Drives Performance

