

## Indo-US Symposium on Allergy and Asthma (15<sup>th</sup>-16<sup>th</sup> December 2018)

### TEACHER'S ACTIVITY REPORT 2017 - 2018.

**FACULTY:** Science    **DEPARTMENT/ COMMITTEE:** Zoology    **IQAC ACTIVITY No:** SVC/2017-18/ZOO/VM/3

<b>NAME OF THE ACTIVITY:</b> Indo-US Symposium on Allergy and Asthma			
<b>DATE</b>	<b>FACULTY</b>	<b>DEPARTMENT/COMMITTEE</b>	<b>COORDINATOR NAME</b>
15-16 December 2018	Science	Zoology	Dr. Vartika Mathur, Prof. Randeep Guleria, Prof. Ruchi Gupta, Dr. Lucy Bilaver, Jialing Jiang
<b>TIME</b>	<b>VENUE</b>	<b>NUMBER OF PARTICIPANTS</b>	<b>NATURE: Outdoor/Indoor</b>
NA	Sri Venkateswara College	102	Indoor
<b>SUPPORT/ASSISTANCE:</b>	Sri Venkateswara College, Department of Pulmonary Medicine and Sleep Disorders, AIIMS (New Delhi), Northwestern University, Chicago, U.S.A.		

#### BRIEF INFORMATION ABOUT THE ACTIVITY (CRITERION NO. - III):

TOPIC/SUBJECT OF THE ACTIVITY	Indo-US Symposium on Allergy and Asthma
OBJECTIVES	<ul style="list-style-type: none"> <li>To present the differences in prevalence and trends of atopic conditions in the U.S. and India.</li> <li>To understand the biology of the development of atopic conditions.</li> <li>To discuss factors that may impact atopic conditions and their relationship to the microbiome - hygiene hypothesis, timing of infant food introduction in different cultures, diet influenced by geographical location and culture, genetics, environmental exposures, pre-and postnatal risk factors, etc.</li> <li>To explore emerging microbiome research to determine factors contributing to and protecting against atopic conditions in India and US.</li> <li>To enhance existing Indo-US partnerships in the field of atopic conditions and the microbiome.</li> </ul>
METHODOLOGY	<p>Through Talks by distinguished experts including:</p> <ul style="list-style-type: none"> <li>Dr. Lucy Bilaver (Northwestern University, USA)</li> <li>Dr. Christopher Warren (University of Southern California, USA)</li> <li>Prof. Randolph Brehler (Münster University Hospital, Germany)</li> <li>Prof. Ruchi Gupta (Northwestern University, USA)</li> <li>Dr. Hemant Sharma (George Washington University School of Medicine, USA)</li> <li>Dr. Neha Agnihotri (Northwestern University, USA)</li> <li>Prof. Joseph M. Chalil (Nova Southeastern University, USA)</li> <li>Dr. Danish Jamal (QRG Central Hospital &amp; Research Centre, Faridabad)</li> <li>Dr. Deepak Talwar (Metro Hospital Multispeciality Institute, Noida)</li> </ul>

	<ul style="list-style-type: none"> <li>• Prof. Randeep Guleria (Padma Shri, Director, AIIMS, New Delhi)</li> <li>• Prof. Yogendra Singh (Department of Zoology, University of Delhi)</li> <li>• Dr. Vijay Hadda (AIIMS, New Delhi)</li> <li>• Dr. Raja Dhar (Director, Fortis Hospital, Anandpur, Kolkata)</li> <li>• Prof. Rakesh Lodha (AIIMS, New Delhi)</li> <li>• Dr. N. Latha (University of Delhi)</li> <li>• Dr. Anant Mohan (AIIMS, New Delhi)</li> <li>• Dr. Sitesh Roy (Dr. Roy Health Solutions, Mumbai)</li> <li>• Dr. Karan Madan (AIIMS, New Delhi)</li> <li>• Dr. G.C. Khilnani (AIIMS, New Delhi)</li> <li>• Dr. Suchita Singh Pachauri (AIIMS, New Delhi)</li> <li>• Prof P A Mahesh (JSSMC, Mysuru, Karnataka)</li> <li>• Dr. Neetu Bhari (AIIMS, New Delhi)</li> <li>• Shubnum Singh (Researcher and Advisor- Healthcare Framework)</li> <li>• Prof. Surya Kant (KGMC, Lucknow)</li> <li>• Dr. P.C. Kathuria (National Allergy Centre, Delhi)</li> <li>• Dr. Raj Kumar (Patel Chest Institute, Delhi)</li> <li>• Dr. Sushil K. Kabra (AIIMS, New Delhi)</li> </ul> <p>Panel Discussion and hands-on practice (AllergoPharma).</p>
OUTCOMES	<p>This Indo-US symposium has raised awareness among experts of different specialised branches of medicine and basic sciences about the prevalence and causes of atopic conditions globally, with emphasis on India.</p> <p>The exchange of knowledge and resources, innovative solutions to decrease outcomes of atopic conditions such as FA can be identified. Related future projects were also discussed.</p>

**PROOFS & DOCUMENTS ATTACHED (Tick mark the proofs attached):**

Notice & Letters	<b>Student list of participation</b> ✓	<b>Activity report</b> ✓	<b>Photos</b> ✓	Feedback form
<b>Feedback analysis</b>	News clip with details ✓	Certificate ✓	Any other	

IQAC Document No:	Criterion No: III	Metric No:
Departmental file no	IQAC file No;	

NAME OF TEACHER & SIGNATURE	NAME OF HEAD/ COMMITTEE INCHARGE & SIGNATURE	IQAC COORDINATOR (SEAL & SIGNATURE)
Dr. Vartika Mathur	Dr. Vartika Mathur	

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## For Reference

Criterion I	Curricular Aspects (planning & Implementation)	Criterion V	Student Support & Progression
Criterion II	Teaching Learning & Evaluation	Criterion VI	Governance
Criterion III	Research, Innovations & Extension	Criterion VII	Institutional Values & Best Practices
Criterion IV	Learning Resources and Infrastructure		

**PROOFS FOR ACTIVITY REPORT**Summary

Indo-US symposium on allergy and asthma was held on 15-16 December 2018 at AIIMS, New Delhi, India. The symposium was a joint venture of the Indian lead PI as Prof. Randeep Guleria, Director, AIIMS, New Delhi and Co-PI as Dr. Vartika Mathur from Sri Venkateswara College with lead PI, Prof. Dr. Ruchi Gupta and co-PI, Dr. Lucy Bilaver, both from Northwestern University, USA, and was successfully brought to execution with support from Indo-U.S. Science and Technology Forum (IUSSTF). The inaugural session was graced by the presence of Dr. Rajiv Tayal, Executive Director, IUSSTF, Dr. Naveen Vasishta, Director & Scientist 'E', KNEB Division, DST and Dr. S.K. Varshney, Advisor & Head, International Bilateral Cooperation, DST apart from eminent experts, doctors and researchers from the field.

The aim of the symposium was to explore the prevalence of atopic conditions among the pediatric population in India and US, deliberate upon the cultural, socioeconomic, immunological, and microbial contributors in the development of these atopic diseases and discover factors that may help prevent them through recent advances in medical science. Different sessions of the symposium were divided into various themes and eminent national and international experts presented their views. All sessions included a brief interaction with the audience and a summary by the session chair. The first session on "Current Understanding of Allergies and asthma" provided a holistic view on the prevalence of atopic conditions and the challenges involved in conducting large public health studies for the atopic conditions. This session included a panel discussion where various multidisciplinary approaches to study 'Allergic March' were discussed. This was followed by a session on "Challenging face of mechanism and management of allergies" where relevance of microbiome in modulating immune system and its role in allergies was discussed. Hands-on training session on Skin Prick test and workstations on allergy clinic was also organized for the participants on the first day of the symposium.

The sessions on the second and final day focused on "Choosing the right tools for management of allergy and asthma". The discussion led to better understanding of the potential protective factors for allergy and knowledge about the clinically relevant allergens for immunotherapy

and the current clinical practices and therapies that look promising. The concluding session discussed the “Future steps in allergy and management” with a holistic and multidimensional view of the problem. Potential role of newer tools such as medical informatics in developing allergen databases and the importance of immunotherapy in allergy management with special emphasis on implications of the US, European and Indian approach to immunotherapy was discussed.

In the concluding working group discussion at the end of symposium, rigorous interactions and discussions with experts led to some fruitful outcomes. Research collaborations between the organizing teams from India and USA was cohesively deliberated upon. An immediate work plan was finalized which includes survey as a tool to explore food allergy and atopy prevalence in India and also study the early life factors that may contribute to development of atopic conditions.



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**Indo-US Symposium on Allergy & Asthma**

**Organizing Team**

**Randeep Guleria, MD, DM (Chairperson)**  
*Professor & Director, All India Institute of Medical Sciences, Delhi*

**Ruchi Gupta, MD, MPH (Co-Chairperson)**  
*Professor of Pediatrics & Medicine, Northwestern Feinberg School of Medicine, USA*

**Vartika Mathur, MPhil, PhD (Convener)**  
*Assistant Professor, Dept. of Zoology, Sri Venkateswara College, University of Delhi*

**Anant Mohan, MD, FRCP, FCCP (Organizing Secretary)**  
*Professor & Head, Department of Pulmonary Medicine & Sleep Disorders, AIIMS, Delhi*

**Our Aim**

Atopic conditions such as eczema, allergic rhinitis, asthma, and allergies are becoming more prevalent around the world. These conditions are related through a phenomenon known as the "atopic march" where children have increased risk of developing asthma and allergies if they are diagnosed with eczema early in life.

An emerging, worldwide trend of increasing food allergy (FA) prevalence has become a growing public health concern. Indian adults reported a higher level of food sensitization (26.5%) and a considerably lower FA prevalence of 1.2%. It is critical to determine what environmental protective factors are vital to reverse these trends.

Related hypothesized factors include gut and skin microbiome that are influenced by factors such as diet, environment, and different disease states. Previous studies also suggest that exposure to different conditions such as early antibiotic use as well as diet may interfere with the microbiome and affect the risk of food allergy development. The relationship between the microbiome and FA may unveil protective factors that have the potential to lead to the development of strategies for the prevention of FA and other related atopic conditions.

The Indo-US symposium on Allergy and Asthma aims to explore the prevalence of atopic conditions among the pediatric population in India and US, deliberate upon the cultural, socioeconomic, immunological, and microbial contributors in the development of these atopic diseases and discover factors that may help prevent them through recent advances in medical science.



## Organizing Team

**Lucy A. Bilaver, PhD**

*Assistant Professor of Pediatrics, Northwestern University Feinberg School of Medicine, USA*

Research Focus:

Pediatric Autism, Asthma, Obesity, and Food Allergy

**Sneh Arora, MD (Organizing Co-secretary)**

*Assistant Professor, Department of Pulmonary Medicine & Sleep Disorders, AIIMS, Delhi*

Research Focus:

Pulmonary Disorders

**Jialing Jiang (Co-Convener)**

*Research Coordinator, Northwestern University Feinberg School of Medicine, USA*

Research Focus:

Food Allergy

**Saurabh Mittal, MD**

*Assistant Professor, Department of Pulmonary Medicine & Sleep Disorders, AIIMS, Delhi*

Research Focus:

Pulmonary Disorders

## Organizing Team

**Pavan Tiwari, MD**

*Assistant Professor, Department of Pulmonary Medicine & Sleep Disorders, AIIMS, Delhi*

Research Focus:

Pulmonary Disorders

**Richa Misra, PhD**

*Assistant Professor, Department of Zoology, Sri Venkateswara College, University of Delhi*

Research Focus:

Tuberculosis and Extrapulmonary tuberculosis, Microbiome

**Surya Prakash, PhD**

*Assistant Professor, Department of Pulmonary Medicine & Sleep Disorders, AIIMS, Delhi*

Research Focus:

Respiratory medicine

**Tejas Suri, MD, DM**

*Department of Pulmonary Medicine & Sleep Disorders, AIIMS, Delhi*

Research Focus:

Respiratory medicine











News Clip with details: <https://www.allergy-asthma-symposium.com/>





17.	MOHD. WASEEM	Indian Participant
18.	ALOK KUMAR	Indian Participant
19.	Anoop Singh	Indian Participant
20.	MOHITA GAUR	Indian Participant
21.	KUNAL PRATAP	Indian Participant
22.	VISHAL SHARMA	Indian Participant
23.	Dinesh Raj Pant	Indian Participant
24.	Aarti Seherawat	Indian Participant
25.	Mohsin Khan Dildaar	Indian Participant
26.	Rahul D. Arora	Indian Participant
27.	Sanchit Nanda	Indian Participant
28.	DEVENDRA KUMAR TIWARI	Indian Participant
29.	Arvind A	Indian Participant
30.	Niranjan S	Indian Participant
31.	Babulal Chaudhary	Indian Participant
32.	Pushpa Iyer	Indian Participant
33.	ABUL FAIZ	Indian Participant
34.	SABA NAZ	Indian Participant
35.	Fahmina	Indian Participant
36.	Shatabdee Roy	Indian Participant
37.	Bharat Rawat	Indian Participant
38.	Swadip Mishra	Indian Participant
39.	Sanjeev kumar	Indian Participant
40.	Dr. Madhu Priya	Indian Participant
41.	AARTI SHARMA	Indian Participant
42.	Bhavna	Indian Participant
43.	Ankit Parakh	Indian Participant
44.	M Gangadhar Reddy	Indian Participant
45.	Saraswata Das	Indian Participant
46.	Neeraj Gupta	Indian Participant
47.	Shubhra Agarwal	Indian Participant
48.	Aman Rawal	Indian Participant
49.	Debraj Jash	Indian Participant
50.	AJAY KUMAR VERMA	Indian Participant
51.	Robin Mukherjee	Indian Participant
52.	Gyanendra Shukla	Indian Participant
53.	Tariq Chouhan	Indian Participant
54.	Ashish Ranjan	Indian Participant
55.	Raghu	Indian Participant
56.	Rakesh	Indian Participant
57.	Rahul Rai	Indian Participant
58.	Arunachalam	Indian Participant
59.	Anirudh	Indian Participant
60.	Amrendar	Indian Participant
61.	Bal Krishnan	Indian Participant
62.	Nikhil	Indian Participant
63.	Vinay	Indian Participant
64.	Shweta Gupta	Indian Participant
65.	Siddharth	Indian Participant
66.	Aditya Chawla	Indian Participant

67.	Amit Murar	Indian Participant
68.	Gaurav Gupta	Indian Participant
69.	Pranav Ish	Indian Participant
70.	Debasis Behra	Indian Participant
71.	Richa Mittal	Indian Participant
72.	Mayank Kapur	Indian Participant
73.	Dixit Thankur	Indian Participant
74.	Ishan	Indian Participant
75.	Gaurav Gupta	Indian Participant
76.	Tinu Garg	Indian Participant
77.	Diksha Tyagi	Indian Participant
78.	ANUJ KUMAR PANDEY	Indian Participant
79.	Sarika Pandey	Indian Participant
80.	Supriya Karpathak	Indian Participant
81.	Priyanka Gaur	Indian Participant
82.	Dr. Jyoti Bajpai	Indian Participant
83.	Rakesh Agrawal	Indian Participant
84.	Abhinav Sharma	Indian Participant
85.	Jonnalagadda V S Aswith Chowdary	Indian Participant
86.	Vishnupriya V	Indian Participant
87.	Deepak	Indian Participant
88.	Ravi	Indian Participant
89.	Rouf	Indian Participant
90.	Yasir	Indian Participant
91.	Rajesh	Indian Participant
92.	Sanjeev	Indian Participant
93.	Ankit	Indian Participant
94.	Viswes K	Indian Participant
95.	Kamal Bandhu	Indian Participant
96.	Rachit Magazine	Indian Participant
97.	Devika	Indian Participant
98.	Ramesh kumar sah	Indian Participant
99.	Harjit Bhatti	Indian Participant
100.	Shrikar Darisetty	Indian Participant
101.	Laveleen Kaur	Indian Participant
102.	Mohammad Ishaq Farooqi	Indian Participant

Name of the Teacher and signature

Head of the Department





**SRI VENKATESWARA COLLEGE**  
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Dr. Shruti Mathur  
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Department of Sociology

Dr. Nimisha Sinha  
Department of Biochemistry

Dr. D. Venkat Ramana  
I.O( I/C)

This is to certify that the Activity report (Teacher/Department /Society/Association) has been submitted for documentation to IQAC, Sri Venkateswara College, University of Delhi.

*N. Latha*

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