

CIRCULAR
Pre-Conference Workshop TEMA-2024
6th November 2024

Date: 7/10/2024

To: All Faculty Members, Students, and Participants

Subject: Pre-Conference Workshop on TEMA– 6th November 2024

Dear All,

We are pleased to announce that a **Pre-Conference Workshop** will be conducted on **November 6th, 2024, as part of the lead-up to TEMA-18**, which will take place on November 8th, 2024.

Workshop Details:

- **Date:** 6th November 2024
- **Time:** 9.30 am – 4.30 pm
- **Venue:** M.S. Ramaiah College of Arts, Science and Commerce-Autonomous.
- **Topic:** Trace elements and Human Health, Trace elements deficiency and toxicity, Environmental impact of trace elements.
- **Target Audience:** [Faculty/Students/Industry Professionals]

Key Highlights:

- Introduction to the theme and key topics of the upcoming conference.
- Poster presentation competition.
- Presentations by leading experts and professionals.
- Networking opportunities and interactive discussions.

This workshop aims to provide participants with essential skills, knowledge, and insights in preparation for the conference. It is an excellent opportunity for those interested in enhancing their understanding of the subject matter and engaging with experts in the field.

Registration:

Please register your participation through the Registration Link. Free registration for MSRCASC students and Rs.200/- for outside students. Limited seats are available, so we encourage early registration.

We look forward to your participation in this exciting workshop and hope to see you at the event!

Best Regards,
Organizing Members

RAMAIAH TEMA PennState

TEMA
Trace Elements in Man and Animals

18-2024, 11-10-24
https://www.tema2024.in

PRE-CONFERENCE WORKSHOP TEMA-2024
Trace Elements in Man and Animals

Co-ordinated by:
M.S. Ramaiah College of Arts, Science and Commerce - Autonomous
https://www.msccsc.edu.in

Partners

6th November, 2024

ABOUT THE PRE-CONFERENCE

M S Ramaiah College of Arts, Science and Commerce-Autonomous will be organizing a pre-conference (TEMA 18) workshop on 6th November, 2024 prior to the main TEMA-18 conference which is going to be held on 8 - 12th November, 2024. This pre-conference event provides attendees to explore and interact with delegates on the cutting-edge knowledge on the significance of trace elements in human, animals, microbes and plants. It also gives an overview on key themes of the conference, facilitating networking opportunities, and offering educational sessions. This program mainly designed for aspiring students towards research by engaging them in meaningful interactions with delegates across the globe. This event features oral sessions from eminent scientists and poster competition for UG, PG and research scholars.

About the Conference

The International Conference on Trace Elements in Man and Animals (TEMA) aims to provide a platform for researchers, academicians and practitioners from around the globe to exchange knowledge and ideas on the significance, role and impact of trace elements in human and animal health.

About The Pennsylvania State University, USA
(https://www.psu.edu/)

The Pennsylvania State University (PSU) stands as a beacon of academic excellence and innovation, renowned globally for its commitment to education, research and community engagement. Situated in the heart of Pennsylvania, USA, PSU boasts a rich history dating back to 1855 and ever since evolved into a world-class institution offering a diverse array of programs across disciplines. With a vibrant campus culture, cutting-edge research facilities and a distinguished faculty comprising leaders in their fields, PSU provides students with an unparalleled educational experience. Embracing a spirit of inclusivity and collaboration, PSU fosters an environment where students are empowered to pursue their passions, challenge the status quo and make a positive impact on society.

- CONFERENCE THEMES**
1. Trace elements and Human health
 2. Trace elements deficiency & toxicity
 3. Environment impact of trace elements

CONFIRMED SPEAKERS

Dr. K. Sandeep Prabhu
Professor & Head
Veterinary and Biomedical Sciences,
Penn State University, USA

Dr. Girish
Associate Professor
Veterinary and Biomedical Sciences,
Penn State University, USA

Dr. N.K. Shivakumar Gowda
Dean
Veterinary college, Bengaluru

POSTER COMPETITION:
(UG, PG and Research Scholars):

Poster Size: 27" x 40" (inches)
Format: Portrait
Poster type:
Original Research Posters: Present new research findings, including methodology, data and conclusions.
Review Posters: Summarize a comprehensive literature review or meta-analysis on a specific topic.
Case Study Posters: Present in-depth analyses of a particular case or event.
Poster Layout Overview

1. **Title (Top Center):** Project title, author(s), affiliation, and conference info.
2. **Abstract:** 150-200 words summarizing objectives, methods, and key findings.
3. **Introduction:** Background, purpose, and research question.
4. **Methods:** Procedure and tools, supported with visuals.
5. **Results:** Key findings with charts/graphs.
6. **Discussion:** Interpretation, comparison, and implications.
7. **Conclusion:** Summary and future research directions.
8. **References**
9. **Acknowledgments (Optional)**

REGISTRATION

- Registration fees: **Rs. 200**
- Last date for registration: **15th October, 2024**

HOW TO REGISTER

- Scan the QR code below to secure your spot.
- Upload the screen shot of the payment and other details in the below google form. In L.
<https://forms.gle/djRqNCwBP7zRVzWd8>

ORGANISING MEMBERS

- Prof. Channarayappa
- Prof. Savitha J
- Mrs. Soumya Shanbhag
- Dr. Geetika Pant
- Dr. Panchami H R
- Dr. Swathi D

EXCITING PRIZES:

- First Place: **Rs. 10,000/-**
- Second Place: **Rs. 7,500/-**
- Third Place: **Rs. 5,000/-**

All the participants will get the certificate.

Venue:
M S Ramaiah College of Arts, Science and Commerce (GATE-8)
MSR Nagar, MSRIT Road, Hennahalli, Bengaluru - 560054

Map & Directions: Google Maps link: <https://www.google.com/maps/place/MSRIT+Road,+Hennahalli,+Bengaluru,+India/@12.9111111,77.6333333,15z>

CONTACT INFORMATION
Mrs. Soumya Shanbhag: +91 97408 15051
Dr. Panchami H R: +91 82772 04305

Solicit the pleasure of your esteemed presence on the occasion of the

Pre-Conference Workshop

6th November 2024

INVITED SPEAKERS

Dr. K. Sandeep Prabhu

Professor & Head
Veterinary and Biomedical Sciences,
Penn State University, USA

Dr. N.K. Shivakumar Gowda

Dean
Veterinary college, Bengaluru

Dr. Girish Kirimanjeswara

Associate Professor
Veterinary and Biomedical Sciences,
Penn State University, USA

Under the patronage of

Sri. M R Janakiram

Hon'ble Director,
Gokula Education Foundation

Sri. M R Kodandaram

Hon'ble Director,
Gokula Education Foundation

Dr. Parshwanath H V

Chief Executive,
GEF (Engg. & GS)

Sri. G Ramachandra

Chief of Finance,
GEF (Engg. & GS)

Prof. Karisiddappa

Chief Academic Advisor,
GEF

Date: 6th November 2024

Venue: Dr. A P J Abdul Kalam Auditorium

Dr. Pushpa H

Principal, MSRCASC-Autonomous,
Bengaluru

All are welcome

Pre-Conference Workshop (TEMA18-2024)

PROGRAM SCHEDULE

SL. NO.	CONTENT	TIME
1	Registration (Quadrangle of Abdul Kalam auditorium) & Display of Poster Numbers 1-50 (4 th Floor)	09:00-09:30AM
	Inauguration	
	Ramaiah Anthem	09:30- 09:35AM
2	Invocation and lighting of lamp	09:35- 09:40AM
	Welcome address and About the Program by Principal Dr. Pushpa H	09:40- 09:45AM
3	Introduction of Speaker- Dr. K. Sandeep Prabhu by Dr. Panchami	09.45- 09.50AM
4	Talk by: Dr. K. Sandeep Prabhu Topic: Biochemistry, Molecular Biology, and Physiology of Micronutrients.	09:50- 10.35AM
5	Introduction of Speaker -Dr. Girish Kirimanjeshwara by Dr. Geetika Pant	10.40- 10.45AM
6	Talk by: Dr. Girish Kirimanjeshwara: Topic: Micronutrients in Infection and Immunity	10.45- 11.30AM
7	Tea Break & Display of Poster Numbers 51-75 (5 th Floor)	11.:30- 11.50AM
8	Introduction of Speaker - Dr. N. K. Shivakumar Gowda by Dr. Swathi D	11:50- 11.:55AM
9	Talk by: Dr. N. K. Shivakumar Gowda Topic: Role of Micronutrients in Farm animals.	11:55- 12:40 PM
10	Vote of Thanks by Mrs. Soumya Shanbhag	12.45- 12.50 PM
11	Lunch Break & Display of Poster Numbers 76-100 (5 th Floor)	12:50- 01.30PM
12	Display of Poster: (4 th and 5 th floor) Evaluation of poster	01:00 PM Onwards

Report on
Pre-Conference Workshop TEMA-2024
6th November 2024

Co-ordinated by

**M.S. Ramaiah College of Arts, Science and Commerce-
Autonomous**

Bengaluru

Report on Pre-Conference Workshop TEMA-2024

Venue: Abdul Kalam Auditorium

Date: Nov 6, 2024

Event: Invited lectures and Poster Competition

The International Conference on Trace Elements in Man and Animals (TEMA) aims to foster a global exchange of insights among researchers, academicians, and practitioners on the critical roles of trace elements in human and animal health. In preparation for the main TEMA conference, a Pre-Conference Workshop was held on November 6th 2024 at Abdul Kalam Auditorium, MSRCASC- Autonomous to provide students and research scholars with a comprehensive introduction to the relevance of trace elements in both human and animal health. This workshop, a precursor to the broader TEMA conference, featured themes such as "Trace Elements and Human Health," "Trace Elements Deficiency and Toxicity," and the "Environmental Impact of Trace Elements" was attended by 170 participants. The one-day Pre-TEMA Workshop in 2024 included three keynote speakers and a poster competition as its highlights.

The event commenced with the Ramaiah anthem, followed by a lamp-lighting ceremony led by dignitaries and the principal, accompanied by an invocation song. Dr. Pushpa H., the respected principal, delivered a welcome speech.

The first invited speaker, Dr. K. Sandeep Prabhu, Professor and Head of Veterinary and Biomedical Sciences at Penn State University, USA, was introduced by Dr. Panchami., Dr. Prabhu's talk delved into the biochemistry, molecular biology, and physiology of trace elements, highlighting the importance of essential elements like copper, iron, selenium, zinc, and iodine, along with the diseases linked to their deficiency or toxicity. He emphasized the anti-inflammatory effects of selenoproteins in the arachidonic acid pathway.

The second speaker, Dr. N. K. Shivakumar Gowda, Dean of Veterinary College, Bengaluru, was introduced by Dr. Swathi.D. Dr. Gowda discussed the role of micronutrients in farm animals, emphasizing the importance of minerals, soil-animal-plant interactions, deficiencies, supplementation, and bioavailability. He also covered future advancements in bioavailability, such as nanoparticles, microencapsulation of minerals, and nutrient recycling from azolla.

After a brief tea break, the final session was conducted by Dr. Girish Kirimanjeshwara, Assistant Professor of Veterinary and Medical Sciences at Penn State University, USA, introduced by Dr. Geetika Pant. Dr. Kirimanjeshwara's presentation explored the connection between trace elements and immunity, focusing on selenium's role in immune B-cells and bacterial pathogenesis. He addressed topics like nutritional virulence, trace element competition and intoxication, selenium deficiency, and the role of selenocysteine tRNA and selenium in the gut microbiome. His research in the Kirimanjeshwara Lab at Penn State includes studies on GPX1 and GPX4 in autophagy.

Dr. Soumya Shanbag concluded the program with a vote of thanks with a special mention to the head of institution Dr. Pushpa H, research advisor Professor Savitha J and other organizing members for their immense support.

In the post-lunch session, a poster competition was held, featuring 98 entries from undergraduate, postgraduate, and research scholars from inhouse as well as other institutions, including Reva University, Vijaya College, Indian Academy Degree College (Autonomous), and Ramaiah University of Applied Sciences (RUAS). Posters were organized according to the three workshop themes, and a panel of internal and external judges evaluated them for top three cash prizes. The competition provided participants with valuable exposure to the global perspective on trace elements and its impact on man and animals.

Overall, the Pre-Conference Workshop TEMA 2024 was a resounding success.

A few glimpses of Pre Tema-Conference Workshop 2024:



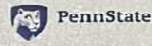












TEMA18-2024, इंदौर

PRE-CONFERENCE WORKSHOP

Organized by
M.S. Ramaiah College of Arts, Science
and Commerce - Autonomous

6th November, 2024

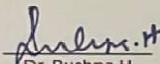
Certificate of Achievement

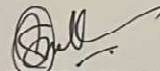
Dr./Mr./Ms. _____

of _____

has won 2nd prize for poster entitled

_____ in the Pre-conference workshop on 6th November 2024.


Dr. Pushpa H
Principal, MSRCASC


Dr. K. Sandeep Prabhu
Conference General Secretary

Attendance list of Participants

Pre-TEMA Conference Workshop (TEMA-18) 6th November 2024

Code	Title	Team Name/No.	Signature
PTTEHH-01	The Role of Trace Elements in Aging And Neurodegenerative Diseases	Akshata Kankale, Monisha.M, Vanipenta Sravan Kumar <i>Ri. Harishabh Gupta</i>	<i>Monisha M</i> <i>V. Sravan</i> <i>Gupta</i>
PTTEHH-02	Neurotoxic Effects of Trace Elements	K.Surya Srikar,	<i>Surya Srikar</i>
PTTEHH-03	"Toxicity of Mercury in wastewater treatment"	Krishna Chirag Shah Panchuni HR	<i>Krishna</i>
PTTEHH-04	Zinc: A Precious Trace Element For Oral Health Care	Mandara K, Yuktha L, Snigdha Amarnath, M N Bhavana	<i>Mandara K</i> <i>Snigdha</i> <i>Bhavana</i>
PTTEHH-05	"Zinc And Human Health: Unlocking Its Role In Immunity, Cancer And Infertility"	Nikitha B M, Tanya Chiripal S, Vaaridhi Dalwai <i>Vaishnavi G Hegde</i>	<i>Nikitha</i> <i>Tanya</i> <i>Vaaridhi</i> <i>Vaishnavi</i>
PTTEHH-06	Trace Elements And Aging	Shriya Gejjehalli Aishwarya S.V	<i>Shriya</i> <i>Aishwarya</i>
PTTEHH-07	"Adverse Effects Of Trace Elements On Gut And Skin Microbiome"	Arkaprabha Deb, Riddhi Chandraghatgi	<i>Arkaprabha</i> <i>Riddhi</i>
PTTEHH-08	Trace Elements In Pregnancy	Yazhini S,J. Shiny Roberta,	<i>Yazhini</i> <i>Shiny</i>
PTTEHH-09	A Review: I, Cr, & Se As Essential Trace Elements In Human And Animal Health And Diseases	Sufyan Ahmed K, Arthi S	<i>Arthi S</i> <i>Sufyan</i>
PTTEHH-10	Selenium's Dual Role: A Toxic Element In Cancer Prevention	Stuti J Parekh, Mahee Prabhu, Soha Khanum	<i>Stuti</i> <i>Mahee</i> <i>Soha</i>
PTTEHH-11	Potential Anti Cancerous Properties Of Arsenic Nanoparticles	Deeksha B M	<i>Deeksha</i>
PTTEHH-12	Review On Toxic Impacts Of Mercury On Human And Animal Health	Pavithra R, Anagha Pravin, Thanuja Krishna	<i>Pavithra R</i> <i>Anagha</i> <i>Thanuja</i>
PTTEHH-13	Benefits Of Copper Intake in Human Diet	Mitali Prasad, Keziya G.S	<i>Mitali</i> <i>Keziya</i>

PTTEHH-14	Iron Homeostasis and Its Disorders In Mice and Men: Potential Lessons For Rhinos	Hemashree S Ujwal R	Ujwal R
PTTEHH-15	Iron Oxide Nanodecoys Enhance TB Treatment by Targeting Macrophages and Boosting Immune Response.	Prajwal A Kambur	Prajwal Kambur
PTTEHH-16	Macrophage Targeted Iron Oxide Nanodecoys Augment Innate Immunological and Drug Killings for More Effective Mycobacterium Tuberculosis Clearance	Ujwal R	Ujwal R
PTTEHH-17 Essential trace elements - Key players in Human reproductive function	Toxic Metal and Trace Element Concentrations in Blood and Outcome Of In Vitro Fertilization In Women	Laharika V, Priyadarshini.M, Ananya S, Deekshitha MS	Laharika V, Priyadarshini.M, Ananya S, Deekshitha MS
PTTEHH-18	The computational insights into the invisible forces Driving Human Vitality	Abhishek L, Aishwaryya.D, Mushaldi, Jyothi.B, Shravya B U, Haldar	Abhishek L, Aishwaryya.D, Mushaldi, Jyothi.B, Shravya B U, Haldar
PTTEHH-19	The Role of Zinc In Enhancing PUFA Production In Edible Mushroom Fungi	Sandeep Kumar Behera, Nischal B Rudraswamy, Hastha Divakaran and Nihaarika SN	Sandeep Kumar Behera, Nischal B Rudraswamy, Hastha Divakaran and Nihaarika SN
PTTEHH-20	Presence Of Potassium in Heart Spleen Tissue	K.K Sridvidya and Anusha R	K.K Sridvidya Anusha R
PTTEHH-21	Iron-Fortification of Maize Flour To Prevent Anaemia And Iron Deficiency In People	Catherine Praveena J,Samana Puranik,Haritha M	Catherine Praveena J,Samana Puranik,Haritha M
PTTEHH-22	Lithium As a Potential Treatment	Deekshitha R, Kruthi N Sharma,	Deekshitha R, Kruthi N Sharma,

	for Alzheimer's Disease Via Wnt Signalling	Pragna D S, Emani Akhila	Pragna D S Akhila	
PTTEHH-23	Zinc in ACE Function and Immune Health:Key Insights for COVID-19 and Cardiovascular support	Sowmya S, Monisha C	Sowmya S Monisha	
PTTEHH-24	Molybdenum And Oxidative Stress Regulation	Sri Lalitha Hiranmai Mula		
PTTEHH-25	A Review on Role of Essential Trace Element Molybdenum and Oxidative Stress Regulation	G Baby Tejaswini, V. Vibha Sai, Sri Lalitha Hiranmai Mula		
PTTEHH-26	From Toxicity to Tumorigenesis: Arsenic As A Trace Element In Skin Cancer	Nikitha Ajith, N. Ajay Amirtharaj, Jezreel John Johnson	Nikitha Ajith Jezreel	
PTTEHH-27	Unmasking Manganese Homeostasis, Neurotoxicity, and Case Insights	Arya Arun Kumar , K Swathi Srujana , Chandni Gupta	Arya Swathi Chandni	
PTTEHH-28	Role Of Silica Nanoparticles in Bone Health	Dr. Vidya Jagadeeshan		
PTTEHH-29	Trace Elements and Aging	Aishwarya SV		
PTTEHH-30	Human Health	Madhu.M		
PTTEHH-31	Trace Element in Neurodegeneration: Unraveling Common Pathways In Alzheimer's, Parkinson's & Beyond	Anweya Mohanta		
PTTEHH-32	Trace Elements And Human Health	Logavarshini S		
PTTEHH-33	Fetal Epigenetic Programming Under Trace Element Imbalance ; A Focus	Sreyashee Basu, Akshitha Prakash	Sreyashee Akshitha	

	On DNA Methylation's Role			
X	PTTEHH-34	Trace Elements Deficiency And Toxicity	Arpitha S Dandin	
	PTTEHH-35	Role Of Silica in Bone Health	B Janani, Gita Anjali B, Debjit Banerjee.	<i>B. Janani Gita Anjali Debjit</i>
X	PTTEHH-36	Trace Elements: The Invisible Forces Behind Human Vitality	Dr. Agnik Halder	
	PTTEHH-37	Effect of Trace Elements in Neurological Diseases In Humans	Kushi Bagrecha	
	PTTEHH-38	Effects of Chronic Low Level Lead Exposure On Cognitive Function And Hippocampal Neuronal Ferroptosis : An Integrative Approach Using Bioinformatics Analysis, Machine Learning And Experimental Validation	Keerthana P	
	PTTEHH-39	The Vital Role Of Selenium In Human And Animal Health: Antioxidant Defense, Thyroid Function, And Reproductive Health	Sandeep Kumar Behera	
	PTTEHH-40	The Essential Role Of Zinc In Human Health: Functions, Sources, And Implications Of Deficiency	Deeksha B M Abhigyan Baruah.	<i>Deeksha A. Baruah</i>
	PTTEHH-41	Trace Elements and Human Health	Neha S	
	PTTEHH-42	Effects Of Chronic Low-Level Lead (Pb) Exposure on Cognitive Function and Hippocampal	Puja D	

	Neuronal Ferroptosis: An Integrative Approach Using Bioinformatics Analysis, Machine Learning, And Experimental Validation			
PTTEHH-43	Trace Element Copper: A Review Into Its Mechanistic Role And Therapeutic Potential In Neurodegenerative Disorders	G Baby Tejaswini, V Vibha Sai Sri Lalitha Hiranmaimula	G. Baby Tejaswini Vibha Sai Sri Lalitha Hiranmaimula	
PTTEHH-44	Micronutrient Modulators Of Endocrine Activity: From Metabolism To Mood	Lakshmi Sravya Padidam and Rekha Kumari Lohar	Lakshmi Sravya Rekha Kumari Lohar	
PTTEHH-45	Development and evolution of essential metal(Cu,Zn and Mn)complexes of Curcumin as anticancer and antioxidant agents	Tejaswini S, Navya L	Tejaswini S, Navya L	
PTTEHH-46	Trace Elements In Personalized Nutrition And Health	Radhakrishnan Sreedhanya, P Harshitha, B Swetha Reddy, Thalari Sravani,	Radhakrishnan Sreedhanya, P Harshitha, B Swetha Reddy, Thalari Sravani,	
PTTEHH-47	Role Of Copper Nano Particles in Wound Healing	Preetham R, Beesam Navadeep, Nagalakshmi M.	Preetham R, Beesam Navadeep, Nagalakshmi M.	
PTTEHH-48	Role of Zinc in Neurobiology	Ayushi Jha		
PTTEHH-49	The Double-Edged Sword of Trace Elements	Prajwal A Kambar		
PTTEHH-50	Boron Toxicity and Deficiency in Agricultural Plants	Sakshi Sunil Advitote, Nimmagadda Mohan, D Abhishek,	Sakshi Sunil Advitote, Nimmagadda Mohan, D Abhishek,	

**Pre-TEMA Conference Workshop (TEMA-18)
6th November 2024**

Code	Title	Team Name/No.	Signature
PTTEDT-51	Essential Yet Harmful: The Dual Nature of Zinc and Selenium in Human Nutrition	Niveditha R, Lakshmi A S, Megha Raj	<i>Niveditha R</i> <i>Lakshmi</i> <i>Megha</i>
PTTEDT-52	Balancing The Invisible: Exploring The Fine Line Between Deficiency and Toxicity Of Trace Elements	K Anuragh, Sidharth S, Aniruddha Sreekantham	<i>K Anuragh</i> <i>Sidharth S</i> <i>Aniruddha</i>
PTTEDT-53	The Impact of Trace Element Deficiency And Toxicity In Small Ruminants And Cattle: A Comparative Study	Mohammed Zain, R Vaishnavi, Amruthapriya C, Rakesh S	<i>Mohammed Zain</i> <i>R Vaishnavi</i> <i>Amruthapriya C</i> <i>Rakesh S</i>
PTTEDT-54	"The Interplay Between Iron, Copper and Cancer: Dynamics of Trace Element - Induced Carcinogenesis"	Rachana A, Mythri P, Bhoomika.G.K, Sowmya A	<i>Sowmya A</i> <i>Rachana A</i> <i>Mythri P</i> <i>Bhoomika</i>
PTTEDT-55	Fluoride Toxicity: Dental and Skeletal Fluorosis	Sharanya C Dalawai, Chandana Vr, V Archana	<i>Sharanya C Dalawai</i> <i>Chandana Vr</i> <i>V Archana</i>
PTTEDT-56	Microbial Analysis of Frozen Chicken and It's Relation with Trace Elements	Emani Gikitha Amoghavarsha B S, Emani Akhila (R)	<i>Gikitha</i> <i>Amoghavarsha B S</i> <i>Emani Akhila (R)</i>
PTTEDT-57	Selenium's Paradox: Toxicity And Therapeutic Potential In Cancer Prevention – A Comprehensive Review	<u>Soha Khanum</u>	
PTTEDT-58	Iron And Selenium: Exploring The	Ms. Sowmya G. Patkar,	

Assessing skeletal fluorosis from fluoride exposure

	Deficiency Risks And Toxicity Concerns	Dr.Sangeetha Annie George,R.Nishara,Alifiya Husna C,Nushrat Jahan	<i>Sangeetha</i> <i>Alifiya</i> <i>Nushrat</i>	
PTTEDT-59	The Role of Trace Elements in COVID-19 Infection and Pregnancy outcomes.	Sanjeevani Jaysing Sawant, Hrithika V, Vaishnavi P Pathare, Dr.K.R.Dasegowda	<i>Sanjeevani</i> <i>Hrithika</i> <i>Vaishnavi</i>	
PTTEDT-60	Studies on the relation of Selenium and Keshan disease	Prachi Pandey, Srabanti Pal, Daisy Dominic	<i>Prachi</i> <i>Srabanti</i> <i>Daisy</i>	
PTTEDT-61	Selenium And Its Role In Polyunsaturated Fatty Acid Production In Mushrooms: A Metabolic Perspective	Nihaarika SN, Hastha Divakaran, Laya N, Nischal B Rudraswamy, Sandeep KB	<i>Nihaarika</i> <i>Hastha</i> <i>Laya</i> <i>Nischal</i> <i>Sandeep</i>	
PTTEDT-62	Trace Elements Toxicity Relationships To Livestock And Human Health	Karthick S , K P Pavani , Hiba Zahareen	<i>Karthick</i> <i>Pavani</i> <i>Hiba</i>	
PTTEDT-63	Trace Elements	Yoshitha J		
PTTEDT-64	"Arsenic Exposure: Unseen, Undetected, Unforgiving"	Farseen Ahamed CV, Harshith. M , K. S. Aishwarya , J Channabasva		
PTTEDT-65	Trace Elements	Bindu.R		
PTTEDT-66	Its Related to Trace Elements Deficiency And Toxicity	Khushi Drolia		
PTTEDT-67	Trace Elements - Deficiency and Toxicity	<i>Logavarkhemi</i> Amrutha Venkatesh	<i>Amrutha</i>	
PTTEDT-68	Trace Elements In Man And Animals	<i>Arpitha</i> , S.Dandin Aastha Choudhary	<i>Aastha</i>	
PTTEDT-69	Silver, A toxin for humans	Pragna D S,Arpita D, Niveditha A (NIVEDITHA)	<i>Pragna</i> <i>Arpita</i> <i>Niveditha</i>	
PTTEDT-70	Fluoride Toxicity	Chandana Vr		
PTTEDT-71	The Unseen Menace Of Trace Elements: Science, Policy, And Practices	Chinmaya Balachandran, Devika A	<i>Devika</i>	

*Trace elements
Toxicity
in
children
of the
body*

PTTEDT-72	The Impact Of Trace Elements Se And Hg On Soil, Water And Air Quality : A Review	Sahana J Dimple RS, Lekshmi Gopal, Siddhi Pardeshi	Sahana J Dimple R.S Siddhi P	
PTTEDT-73	Impact Of Trace Elements On Aquatic Ecosystem	Purbasa Mandal, Saman Tahnet, Ashissa Bedamatta	Purbasa Saman Ashissa	
PTEITE-74	The Repel Effect Of Mercury From Trace Element To Toxic Threat	Neha Kiran, Sinchana K, Swapna Sahoo, Nandana G X	Neha Sinchana Swapna Nandana	
PTEITE-75	Study Of Biosorption As A Means Of Heavy Metal Bioremediation Using Fungi	Lisha Shiva Shankar, Mahathvini GA, Navyatha Shree	Lisha Mahathvini Navyatha	
PTEITE-76	Investigation the Environmental Effects caused by Trace Elements in Humans: A Review	Manasa S and Priyadarshini K	Manasa S Priyadarshini K	
PTEITE-77	Leaching Of Trace Elements And PET Into The Environment.	Revathi MR, Keerthana PG, Raksha M K, Prathiksha B	Revathi Keerthana Raksha Prathiksha	
PTEITE-78	Role Of Trace Elements In Enhancing The Phytochemical Profile And Medicinal Potential Of Nothapodytes Nimmoniana	Madhushree N, Srushti S Bangari, Manjunath and Abdul Manan	Madhushree Srushti Manjunath Abdul Manan	
PTEITE-79	Microbial Fuel Cell: A Clean and Green Technology	Dr.Prashanthi R	Dr.Prashanthi R	
PTEITE-80	Environmental Effects of Lead, Cadmium And Mercury On Water Ecosystem	Nethra.S	Nethra.S	
PTEITE-81	Addressing The Role of Beneficial Soil Microbes For Enhancing Trace Elements	Neelambharadharan, Gyanesh Kumar.R, Yashwanth K S, Chengappa K N, Santhosh Gowda K R	Neelambharadharan Gyanesh Kumar.R Yashwanth K S Chengappa K N Santhosh Gowda K R	

	Concentration In Staple Crops.			
PTEITE-82	"Fungal Peptidomelanin As A Potential Chelating Agent For Treating Uranyl Contaminated Wellwater"	Senjuti Sarkar	Senjuti	
PTEITE-83	Impact Of Lead, Cadmium And Mercury On Water Ecosystem	Netha. S Yukta Narendran, Komal Kumari U	Netha S Yukta Komal Kumari U	
PTEITE-84	Attendee	Vaishnavi N		
PTEITE-85	A Comprehensive Review On Sporosarcina Pasteurii Induced Co-Precipitation Of Cd And Cr Via Microbiologically Induced Calcite Precipitation (MICP).	Dr. Tanushee Ghosh		
PTEITE-86	NA	Pavanashree PG, Chaithanya K, Bandhura V		
PTEITE-87	Tiny Elements, Big Impact: Understanding Trace Elements in Our Environment.	Anitha chetwana Afiya Fatima Amjed	Anitha Ce Afiya Fatima Amjed	
PTEITE-88	Effect Of Molybdenum in Nitrogen Metabolism In Plants	Ramya N Murthy, Keerthana S,	Ramya N Murthy Keerthana S	
PTEITE-89	Effect Of Copper in Nitrogen Metabolism In Plants	Barsha Sarkar, Devika Santhosh	Barsha Sarkar Devika Santhosh	
PTEITE-90	Hidden Chemicals, Visible Impact: Trace Elements in Our Ecosystem	Saptarshee Das, Khizar Hussain	Saptarshee Das Khizar Hussain	
PTEITE-91	"Fungal Peptidomelanin as A Potential Chelating Agent for	Pavan R Pelli, Mahesh Kumar V K, Sadashiva Rampur		

trace elements:
A growing threat
to urban environment
and human
health.

	Treating Uranyl Contaminated Well Water"			
PTEITE-92	Anthropogenic Trace Elements as Indicators of Environmental Pollution in Urban Areas	Shwetha A, Chaithra.U, Kavyasree D S, Kavyasree D S, Sangeetha.C.R, Chiranth A S	Shwetha A Chaithra.U	Sangeetha.C.R.
PTEITE-93	Trace Elements Contamination in Soil from E-Waste Recycling Sites	R Elahin Karishma, Nishad Sayima, T. Praveen, Sadia Fathima	R. Elahin Nishad Sayima.	Sadia
PTEITE-94	NA	Sharanya R		
PTEITE-95	The Hidden Threat: Trace Elements and Their Effects on Environmental Health	Megha H R, Ankitha B	Megha.H.R Ankitha.B	
PTEITE-96	Trace Elements Contamination in Human Breast Milk and Infant Health in Asian Countries: A Review.	Manasa V	Manasa.V	
PTEITE-97	Zinc supplementation and its impact on immune system in HIV/AIDS	Ayushma paul	Ayushma	
PTEITE-98	Revolutionizing hair care:creating eco friendly proteinshampoo and conditioner from repurposed cooking oil to combat hair fall and enhancesmoothness	Dr.Shashidhar Bhardwaj.S, Yamini S, Chinmaye B M	Shashidhar Yamini	Chinmaye

PTEITE-99. Trace elements in farmland soil and crops. and probabilistic health-risk assessment in areas influenced by mining activities in Ecuador.
Shubashree O
Lohith B J
Manasa S
Dr. Gopenath T.S.
Shubashree O
~~Lohith B J~~
Manasa S
Dr. Gopenath T.S.
83 + 9 |

100 Ultrasonic parical filtration

Umme Saiya ~~Saiya~~
Yashita Pantar ~~Yashita~~

101 ~~Ayudhi~~
Role of Zinc in Neurobiology

Ayudhi ~~Pha~~ ~~Ayudhi~~

Feedback from participants:

