

THREE ACTION PACKED
DAYS, GLOBAL IN SCALE

2nd INTERNATIONAL CONFERENCE ON BACTERIOPHAGE RESEARCH

Dates

22- 24th July 2021

ORGANIZED BY

SOCIETY FOR BACTERIOPHAGE RESEARCH AND
THERAPY

2nd INTERNATIONAL CONFERENCE ON BACTERIOPHAGE RESEARCH

Organized by Society for Bacteriophage Research and Therapy

Conference schedule

Date: 22nd July 2021

Inauguration: 9:30 AM –9:45 AM

Join with Zoom Link:

<https://us02web.zoom.us/j/9483026428?pwd=M1V5ZVZkbnY1R1hhalQvOTIrSEhldz09>

Dr. Sanjay Chhibber	President, SBRT
Dr. VinodKumar C.S	Vice-President, SBRT
Dr. Gopal Nath	Secretary, SBRT
Dr. Ramesh N	Editor, IJBR
Dr. Bhupendra Tripathi	Conference Core Committee Member
Dr. Prasanth Manohar	Conference Core Committee Member
Dr. Taruna Mohan	Conference Core Committee Member
Dr. Urmi Bajpai	Conference Core Committee Member
Dr. Sangeeth Ahiwale	Conference Core Committee Member
Dr. Ajay Kumar Prajapati	Conference Core Committee Member

Convener

Dr. VinodKumar C.S

Email: vinodmicro@gmail.com

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Conference schedule

Oral Presentation

Day-1, 22nd July 2021 (Hall-1)

Timing	Presenting Author	Title of the Topic
10:00 AM-10:15 AM	Raghav Mehta	In-silico analysis of bacterial genome for the rapid identification and annotation of prophage sequences using different prophage finding tools
10:15 AM-10:30 AM	Dr Vijay Singh Gondil	A novel and simple drop cast method for enumeration of bacteriophages.
10:30 AM-10:45 AM	Manikantha Benala	Vibriophage-ΦLV6 active against luminescent Vibrio harveyi was identified as Siphoviridae in whole genome sequencing analysis
10:45 AM-11:00 AM	Priya Alakhnath Maurya	Bacteriophage based biosensors for the early detection of faecally contaminated water.
11:00 AM-11:15 AM	Iahari laddika	Evaluation of Immunogenic potential of Streptococcus suis phage lysate as vaccine candidate
11:15 AM-11:30 AM	Maheswaran Easwaran	Bioinformatics approaches for bacteriophage-encoded enzymes. (Poster presentation)
11:30 AM-11:45 AM	Srishti Singh	Phages act as a living drug against enterobacter species
11:45 AM-12:00 AM	Rutuja Gangakhedkar	Molecular dissection of the N-terminal catalytic domain on D29 phage peptidoglycan hydrolase.
12:00 AM-12:15 PM	Lokesh. P	In-silico analysis amid the lytic bacteriophage PM16 surviving in the oral cavity against the oral squamous cell carcinoma.
12:15 PM-12:30 PM	Mrs Shilpa Pranav Tambe	Conjugative approach and strategies to conquer multidrug resistant <i>Klebsiella pneumonia</i>
12:30 PM-12:45 PM	Mrs. Amrita Manish Bhatia	Antibiotic combined with Phage: A conjugative approach to conquer multi-drug resistance in <i>Klebsiella pneumoniae</i> -A Review
12:45 PM-1:00 PM	Ritam Das	An Explorative Study on a F4 Cluster Mycobacteriophage and Encoded AAA ATPase
2:15 PM-2:30 PM	Sourav Kumar Das	Genome based identification of plasmid borne drug resistance and outbreak of Carbapenem Resistant Enterobacteriales from clinical isolates.
2:30 PM-2:45 PM	Gokul Nair	Designing novel TB therapeutics and diagnostics using D29 mycobacteriophage endolysin
2:45 PM-3:00 PM	Veena Devi	CRISPR-Cas system in <i>Klebsiella pneumoniae</i> clinical isolates and its potential association with antibiotic and phage susceptibility.
3:00 AM-3:15 PM	SK Tousif Ahamed	Characterisations and applications of three novel broad host range specific lytic <i>Shigella</i> phages Sfin-1, Sfin-2 and Sfin-6
3:15 PM-3:30 PM	Alakh Narayan Singh	Endotoxin storm during bacteriophage therapy in <i>Klebsiella pneumoniae</i> septicaemia mice model
3:30 PM-3:45 PM	Aprajita Singh	Determination of bacteriophage dose in carbapenem-resistant <i>Klebsiella pneumoniae</i> septicemia in mice model

Moderator	Dr. Eniyan K Dr. Ajay Kumar Prajapati Dr. Mahadeshwar
Join with Zoom Link:	https://us02web.zoom.us/j/9483026428?pwd=M1V5ZVZkbnY1R1hhalQvOTIrSEhldz09 or Meeting ID: 948 302 6428 Passcode: 222324

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Oral Presentation

Day-1, 22nd July 2021 (Hall-2)

Timing	Presenting Author	Title of the Topic
09:45-10:00 AM	Archana L	Anti-phaging and Fitness Trade-off during Phage Bacterial Coevolution in <i>Staphylococcus aureus</i>
10:00 AM-10:15 AM	Sutharsan Govindarajan	Jumbo-bacteriophages for phage therapy applications
10:15 AM-10:30 AM	Sandeep Kaur	Personalized Phage Therapy- Next Era of Treatment
10:30 AM-10:45 AM	Neetha umesh	Screening And Isolation Of Coliphages From Different Water Sources
10:45 AM-11:00 AM	Ms.Manisha Suresh Shinde	Review on "Bacteriophage Mediated Biocontrol of E.coli ;Causative Agent of Colibacillosis in Poultry :Current Status and Perspectives."
11:00 AM-11:15 AM	Mr. Kamble S	A review on antimicrobial action of bacteriophages against bacterial blight disease of pomegranate.
11:15 AM-11:30 AM	Rajitha Satish	Isolation of Mycobacteriophage: A Novel tool to treat <i>Mycobacterium</i> spp
11:30 AM-11:45 AM	Masira Bablu Shaikh	Therapeutic Coconut Based Cocktail of Bacteriophage as Potential Alternative for Elimination of Nuisance Oral Flora.
11:45 AM-12:00 AM	Roshini TH	Effect of various environmental factors on infectivity of phages.
12:00 AM-12:15 PM	Ritu Kumari	Study of <i>Edwardsiella tarda</i> and its bacteriophages
12:15 PM-12:30 PM	Minakshi Sahu	Study of <i>Enterococcus</i> species and its bacteriophages
12:30 PM-12:45 PM	Nisha Rathor	Evaluation of disinfectant potential of bacteriophages on experimental surface
12:45 PM-1:00 PM	Jordan Mathias	Bacteriophage to control carriage of <i>E. coli</i> ST131 in different countries
2:15 PM-2:30 PM	Sandeep Berwal	Isolation and characterization of bacteriophage against <i>salmonella</i> from paultry litter
2:30 PM-2:45 PM	Sophia Inbaraj	Antimicrobial resistance in Indian isolates of non typhoidal <i>Salmonella</i> of livestock, poultry and environmental origin from 1990-2017 and in-vitro testing of bacteriophage against MDR isolates
2:45 PM-3:00 PM	Md. Idrish Raja Khan	Characterization of bacteriophage, AvP-2 and its protective efficacy against <i>Aeromonas hydrophila</i> infection in <i>Labeo rohita</i>
3:00 AM-3:15 PM	Aboli Gidvir,	Multifaceted Application of Bacteriophage Specially Personalized Phage Therapy
3:15 PM-3:30 PM	Pandurangan Ranjani	Isolation, characterization and evaluation of bacteriophage cocktail for biocontrol of bacterial blight disease in rice caused by <i>Xanthomonas oryzae</i> pv. <i>oryzae</i> under In vitro and In vivoconditions

Moderator	Ms. Archana L, Dr. Pramod S.N Dr. Vedavathi
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Oral Presentation

Day-1, 22nd July 2021 (Hall-3)

Timing	Presenting Author	Title of the Topic
10:00 AM-10:15 AM	Dr Sonia B Bhardwaj	Isolation of a novel phage against drug resistant oral E.faecalis clinical isolates.
10:15 AM-10:30 AM	Lavanya Khullar	In vivo efficacy of phage-loaded PLGA (polylactic-co-glycolic acid) in resolving <i>Pseudomonas aeruginosa</i> induced burn wound infection in BALB/c mice
10:30 AM-10:45 AM	Nusarat Shaikh	Use of Bacteriophages as alternative solutions for problems associated with <i>Pseudomonas</i> species
10:45 AM-11:00 AM	RINA PRASAD	Effect of bacteriophage on infected traumatic wound- A case control study
11:00 AM-11:15 AM	Subhash Lal Karn	Chronic wound infection and bacteriophage therapy: Promising modality of treatment
11:15 AM-11:30 AM	Dr. Mayank Gangwar	Acute and Sub-acute Oral Toxicity Assessment and Immunological Profile of Bacteriophages Specific to XDR Klebsiella pneumonia in Rodent Model
11:30 AM-11:45 AM	Murugadas Vaiyapuri	A repurposed protocol for better recovery of broad host range bacteriophages and quick optimization of multiplicity of infection against antimicrobial resistant E. coli
11:45 AM-12:00 AM	SONAM RASTOGI	Therapeutic use of bacteriophages to treat chronically post-surgical infected wound against pathogenic microbes: A CASE REPORT
12:00 AM-12:15 PM	Alka Nokhwal	Isolation and characterization of lytic bacteriophages against ESBL and AmpC β -lactamase producing fish pathogens of <i>Aeromonas</i> species from aquatic culture systems
12:15 PM-12:30 PM	Mrs. Mansura S. Mulani	Isolation and Screening of Bacteriophages against Bacterial Isolates of ESKAPE Group of pathogens
12:30 PM-12:45 PM	Dr Willames Martin	In-vitro and In-vivo Effectiveness of a Bacteriophage cocktail against Multi-drug Resistant Klebsiella pneumoniae
12:45 PM-1:00 PM	Medhavi Vashisth	Applications of Broad Spectrum Bacteriophage Cocktail to Ameliorate <i>Pseudomonas aeruginosa</i> Infection in Biofilms
2:15 PM-2:30 PM	Anu Bala	Isolation and characterization of bacteriophages against ESBL producing bacteria isolated from naturally formed biofilms in bovines
2:30 PM-2:45 PM	Rajesh Kumar	Neutralizing antibody response against subcutaneously injected bacteriophages in rabbit model
2:45 PM-3:00 PM	Karthika Chandrasekar	In vitro efficacy evaluation of bacteriophages against multidrug-resistant <i>Klebsiella pneumoniae</i>
3:00 AM-3:15 PM	Dr. Sonika Sharma	Lytic Bacteriophage against <i>pseudomonas aeruginosa</i>
3:15 PM-3:30 PM	Deepak Kumar	Phage therapy of MDR infected wound: A case report
3:30 PM-3:45 PM	Sudhir Kumar Singh	Phage Preparations to Treat Diabetic foot ulcer: A Case Study
3:45 PM-4:00 PM	Virendra Bahadur Yadav	In-vitro treatment of <i>Salmonella Typhi</i> infected peripheral blood mononuclear cells (PBMC) using specific bacteriophages

Moderator **Dr. Prasanth Manohar,**
Dr. Suneeta Kalasuramath
Join with Google Meet: <https://meet.google.com/hoe-brgu-ksw>

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Conference schedule

Keynote Address

Day-2, 23rd July 2021

Join Zoom Meeting

<https://us02web.zoom.us/j/86217166128?pwd=WVdQbDIQSTVVOWpmVWwrZi9VaWoxQT09>

Meeting ID: 862 1716 6128

Passcode: 222324

Time (As per Indian standard time)	Name of the speaker	Country	Title of the presentation
9:30-10:00	Inauguration		
10:00-10:45 AM	John Dennehy	USA	Control of Bacteriophage Lysis Timing
10:45-11:30 AM	Jeremy Barr	Australia	Bacteriophage co-evolution with a mammalian gut mucosa
11:30-12:15	Sanjay Chhibber	India	Potential application of phages in treatment of secondary bacterial infections in patients with COVID-19 infection
12:15-1:00 PM	VinodKumar C.S	India	A new hope from a forgotten cure: Hacking XDR Acinetobacter baumannii isolates by cocktail of bacteriophages isolated from an Environment
2:00-2:30 PM	Sebastian Leptihn	Germany	Elucidating the molecular basis of phage resistance in colistin resistant Acinetobacter baumannii
2:30-3:15 PM	Pilar García	Spain	Phage-derived tools to fight against staphylococcal biofilms
3:15-4:00 PM	Bülent Bozdogan	Turkey	Genetic engineering of bacteriophages
4:00-4:45 PM	Martha Clokie	UK	Getting Phages Closer to Clinical Deployment

Moderators: Archana L, Eniyan K, Sandeep Kaur, Belliappa

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Keynote Address

Day-3, 24rd July 2021

Join Zoom Meeting

<https://us02web.zoom.us/j/87574169628?pwd=SzZhWXITa09KSzIOQUhNV2ZPRy9vQT09>

Meeting ID: 875 7416 9628

Passcode: 222324

Time (As per the Indian standard time)	Name of the speaker	Country / State	Title of the presentation
9:30-10:00 AM	Sanjay Pal	Kerala	Bacteriophage mediated biocontrol of infection & smell in domestic wastewater by vertical garden.
10:00-10:30 AM	Gopal Nath	Varanasi	Bacteriophage therapy of infected traumatic wounds: A clinical experience
10:30-11:00 AM	Prasanth Manohar	Tamil Nadu	Characterization of a novel bacteriophage PA01_φmotto infecting <i>Pseudomonas aeruginosa</i>
11:00-11:30 AM	Ramesh N	Vellore	Exploring Small-Animal Infection Models to Study the Efficacy of Phage Therapy

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11:30-12:00	Sutharsan Govindarajan	Andhra Pradesh	Jumbo-bacteriophages for phage therapy applications
12:00-12:30 PM	Taruna Mohan	Haryana	Strengthening Bacteriophage Bank and Studies on Application of Novel Phage Cocktails for Therapy <i>in vivo</i> Murine Models
12:30-1:00 PM	Sangeetha S. Ahiwale	Pune	Bacteriophage Growth Kinetics: An important Criterion for identification and classification of phage
2:00-2:30 PM	Bhupendra Tripathi	Delhi	Application of Bacteriophage in Veterinary Sector and Significance of Bacteriophage Repository in the Current Era of Emerging Antimicrobial Resistance
2:30-3:00 PM	Mark Tolman	UK	The problem of virulent <i>E. coli</i> carriage in the UK and their control by bacteriophage
3:30- 4:15 PM	Valedictory ceremony		
4:15-5:00 PM	Annual Body Meeting of SBRT		

Moderators: Archana L, Eniyan K, Sandeep Kaur, Belliappa