


Title	Dr.	First Name	Pau	Last Name	Sang	
Designation	Assistant Professor					
Department	Department of Microbiology SDC					
Email	pbsang@microbio.du.ac.in					
Webpage						
Phone.no	9844558094					

Employment Info

Employee Type	Nature Of Employment
Teaching	Permanent

Educational

Degree	Institution	Year
Ph.D.DNA repair proteins in Mycobacteria and their physiological importance	Indian Institute of Science	2015
M.Sc in Biological Science	Indian Institute of Science	2009
B.Sc (H) Microbiology	Delhi University	2007

Qualifications

Examination Name	Conducted By	Date of Passing
NET	CSIR	2009-09-08

Fellowship

Fellowship Name	Fellowship Body	Level
JRF	CSIR	National
SRF	CSIR	National

Teaching Experience Inside The Institution

Designation	Institution	Duration From	Duration To
Assistant Professor	Delhi University	2022-02-25	2022-12-31

Subjects Taught

Activity Type	Course Title	From	To	Semester	Total Classes Assigned	Number of Classes Taught
Lecture	Bacteriology	2022-12-12	2023-03-23	1	60	60

Research Publications

Article Name	Publication Type	Journal Name	ISSN No	Volume	Year	URL	Doi
A distinct physiological role of MutY in mutation prevention in mycobacteria	Research Papers in Peer Reviewed Journals	Microbiology		156	2010		
Novel insertion and deletion mutants of RpoB that render Mycobacterium smegmatis RNA polymerase resistant to rifampicin-mediated inhibition of transcription	Research Papers in Peer Reviewed Journals	Microbiology		156	2010		
Biochemical properties of MutT2 proteins from Mycobacterium tuberculosis and M. smegmatis and their contrasting antimutator roles in Escherichia coli	Research Papers in Peer Reviewed Journals	Journal of bacteriology		195	2013		
Mycobacterium tuberculosis MutT1 (Rv2985) and ADPRase (Rv1700) proteins constitute a two-stage mechanism of 8-oxo-dGTP and 8-oxo-GTP detoxification and adenosine to cytidine mutation avoidance	Research Papers in Peer Reviewed Journals	Journal of Biological Chemistry		288	2013		
Crystallization and preliminary X-ray characterization of MutT2, MSMEG_5148 from Mycobacterium smegmatis	Research Papers in Peer Reviewed Journals	Acta Crystallographica Section F: Structural Biology Communications		70	2014		
A unique uracil-DNA binding protein of the uracil DNA glycosylase superfamily	Research Papers in Peer Reviewed Journals	Nucleic acids research		43	2015		
Structural insights into the specificity and catalytic mechanism of mycobacterial nucleotide pool sanitizing enzyme MutT2	Research Papers in Peer Reviewed Journals	Journal of Structural Biology		204	2018		

Covalent binding of uracil DNA glycosylase UdgX to abasic DNA upon uracil excision	Research Papers in Peer Reviewed Journals	Nature chemical biology	15	2019		
Base excision repair pathways of bacteria: new promise for an old problem	Research Papers in Peer Reviewed Journals	Future medicinal chemistry	12	2020		
A predictable conserved DNA base composition signature defines human core DNA replication origins	Research Papers in Peer Reviewed Journals	Nature communications	11	2020		
Roles of OB-fold proteins in replication stress	Research Papers in Peer Reviewed Journals	Frontiers in Cell and Developmental Biology	8	2020		
Actin R256 mono-methylation is a conserved post-translational modification involved in transcription	Research Papers in Peer Reviewed Journals	Cell reports	32	2020		
CST in maintaining genome stability: Beyond telomeres	Research Papers in Peer Reviewed Journals	DNA repair	102	2021		
Human CST complex protects stalled replication forks by directly blocking MRE11 degradation of nascent-strand DNA	Research Papers in Peer Reviewed Journals	The EMBO Journal	40	2021		

Professional Development Programmes

Title of the Programme	Sponsoring Institution	Organising Institution	Association as	type
Online one week Faculty Development Programme on Academic Administration	Self Sponsor	Ramanujan College	Attending	Faculty Development Programmes
One-month Faculty Induction Programme	Self Sponsor	Ramanujan College	Attending	Orientation Programme

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