Dr. Sakshi Talwar Assistant Professor Department of Microbiology					
Email	sakshi@ss.du.ac.in sakshi2424@gmail.com				
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Academic Qualifications:Research Officer (Post doc) 2019-2020 (THSTI)Ph.D. 2013-2019 (Translational Health Science and Technology Institute)M.Sc. Applied Microbiology 2010-2012 (Banaras Hindu University)B.Sc. (Hons) Microbiology 2007-2010 (University of Delhi)					
Teaching Experience (Year)			Research Experience (Year)	]	10+ years
Area of Research		professional jou intricate world response, micro <i>Mycobacterium t</i> Building upon molecular biolo challenging role specializing in infectious disease research expertise	specializing in mycobacterial rney has been a fascinating e of microbial interactions and bial infections particularly the <i>tuberculosis</i> . my background in mycobact gy, and genetic engineering, e in a French multinational of the development of diagnosti es. This phase of my career allow se to the practical realm of diagnost ent of cutting-edge tools for disea	exploratio the host ne one terial pa I transiti corporatio ic kits f wed me to nostics, c	n into the st immune caused by thogenesis, oned to a on (MNC) or various o apply my ontributing
Publications		1. Pal R, Talwar S Pandey AK et al. Rv0495c regulates redox homeostasis in Mycobacterium tuberculosis. (Tuberculosis) (2024) (IF 2.9)			
		2. Pandey M, Talwar S Pandey AK et al. Transcription factor mce3R modulates antibiotics and disease persistence in Mycobacterium tuberculosis. (Research in Microbiology) (2023) (IF -3.9)			
		3. Talwar S, Pandey M Pandey AK et al. Host cholesterol modulates the generation and enrichment of persisters during Mycobacterium tuberculosis infection. (mSystems) (2021) (IF- 6.496)			
		Extra-ribosomal	h, Manitosh Pandey, Sakshi Talv functions of Mtb RpsB in impart mycobacteria. (Biochimie) (202	ting stress	s resilience and
		-	Talwar S, Bose SPandey AI tuberculosis is essential for (IF-4.379)		

	<ul> <li>6.Pandey M, Singh AK, Thakare R, Talwar SPandey AK. Diphenyleneiodonium chloride (DPIC) displays broad-spectrum bactericidal activity. (Scientific Reports) (2017) (IF-4.379)</li> <li>7. Dharra R, Talwar S, Singh YPandey AK et al. Rational design of drug-like compounds targeting Mycobacterium marinum MelF protein. (Plos One) (2017) (IF-3</li> </ul>		
Short Courses/ FDP	Completed a 4-Week Faculty Induction/Orientation Programme for "Faculty in Universities/Colleges/Institutes of Higher Education" from 23 April – 22 May, 2023 and obtained Grade A+.		
Awards/Scholarships	1. 2019- Filed an Indian patent entitled "A recombinant mycobacterium strain with constitutively activated toxin VapC12 and uses therof.		
	2. 2018-Received the Bill and Melinda Gates Foundation Global Health Travel Award for the X7 Tuberculosis: Translating Scientific Findings for Clinical and Public Health Impact conference.		
	3. 2017- Visited and worked in SigN A*Star, Singapore for a period of one month under the IndoSingapore project entitled "Host-pathogen interaction to identify new drug targets against persistent Mycobacterium"		
	4. 2016- Best Poster award for the poster entitled "vapC12 toxin promotes cholesterol specific generation of persisters in Mycobacterium tuberculosis", at the annual foundation of THSTI, 2016.		
	5. 2012-Qualified All India Examination conducted by Indian Council of Medical Research for Junior Research Fellowship (ICMR-JRF-2012).		
	6. 2012-Qualified All India Examination conducted by Council for Scientific and Industrial ResearchUniversity Grant Commission, National eligibility test for Lectureship with All India rank of 30.		
	7. 2012-Qualified Graduate Aptitude Test in Engineering (GATE-2012).		
	8. 2011-selected as summer research fellow by Indian Science Academy (INSA).		