



Dr. M.G.R. EDUCATIONAL AND RESEARCH INSTITUTE DEEMED TO BE UNIVERSITY

Maduravoyal, Chennai - 600 095, Tamil Nadu, India.

UNIVERSITY WITH GRADED AUTONOMY STATUS



Dated: 04/June/2026

Advt., No. 001/2026/MGRERI/PROJ-AKC

Applications are invited from willing and eligible candidates for the post of **Senior Research Fellow**, purely on a temporary basis to work under the scheme **Prime Minister Early Career Research Grant (ECRG)** sponsored by the **Anusandhan National Research Foundation (ANRF)**, Government of India, New Delhi

Name of the Project	:	Precise Mining of Type II Polyketide Synthases for the Discovery of Next-Generation Anti-infectives in Combating Antimicrobial Resistance (ANRF/ECRG/2025/002003/LS)	
Duration	:	For period of three years or completion of the project, whichever is earlier. If required will be extended as per project need	
Age Limit	:	28 years	
Educational Qualification	:	Essential	MSc., in Biotechnology, Microbiology, Biochemistry, Pharmaceutical Sciences, Medicinal Chemistry or a related life sciences discipline
	:	Desirable	Sound knowledge in Microbiology, Molecular techniques, Phytochemistry and preferences will be given to candidates with strong basic Chemistry knowledge
Work description	:	This project intends to discover next-generation antibiotics using evolution-guided gene mining and chemical strategies. It involves pangenome analysis of polyketide synthases (PKS) to identify orphan biosynthetic gene clusters and target strains will be subjected to optimized fermentation using co-culture, chemical elicitation and metabolite blockade. The project further includes purification, structural determination and biosynthetic pathway correlation. Antimicrobial evaluation against WHO-prioritized <i>ESKAPE</i> pathogens and mechanism of action studies will be conducted to identify lead compounds. Finally, promising leads compounds will be formulated, patented and commercialized through industry partnerships and technology transfer.	
Emoluments	:	Basic salary Rs. 42,000/-per month + HRA as admissible	
Opportunity	:	Opportunity to register for PhD	
Date of walk in	:	18/June/2026	
Selection Procedure:	:	The applications will be scrutinized and the deserving candidates will be invited for interview	

Note:

- Application can be sent email with the subject line "Application for SRF in ANRF-ECRG" on or before 15/June/2026 to PI - Dr P. Saravana Kumar (saravanakumar.akc@drmgrdu.ac.in); Mobile: +91-9962447821.
- Walk interview will be conducted on 18/June/2026 at Thai Moogambigai Polytechnic College, Golden George Nagar, Mogappair, Nerkundram, Chennai, Tamilnadu 600107, (Dr. A.P.J. Abdul Kalam Centre of Excellence of Innovation and Entrepreneurship - 4th floor)
- Tenure may be extended beyond 1-year subject to satisfactory performance by the candidate at the discretion of appointing authority.
- No TA/DA will be paid to attend the interview.


Dr. P. Saravana Kumar

Research Scientist
Principal Investigator

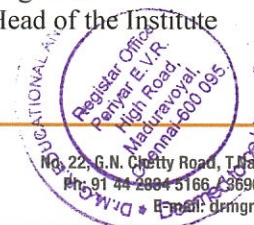

Dr. J. Arun Kumar

Dean
Head of the Division / Department

Dr. J. ARUN KUMAR
DEAN - INNOVATION & ENTREPRENEURSHIP (I&E)
DR. A.P.J. ABDUL KALAM CENTER OF EXCELLENCE
IN INNOVATION AND ENTREPRENEURSHIP


Dr. C.B. Palanivelu

Registrar
Head of the Institute





Dr. M.G.R.

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Only office use
Form No:

Advt., No. 001/2026/MGRERI/PROJ-AKC

Senior Research Fellow

(Carefully read the instructions overleaf before filling up the form)

1.	Name (Mr./Mrs./Ms.) IN CAPITAL LETTERS	:		Please affix a duly self-signed recent passport size color photograph here	
2.	Date of Birth	:	dd/mm/yyyy		
3.	Age as on last date of Application	:	Years: Month: Days:		
4.	Category (Gen/EWS/OBC/ SC/ST)	:			
5.	Address for correspondence	:			
6.	Contact No. (Mobile)	:			
7.	Email	:			
8.	Qualifications				
	Degree	University	Year of Passing	Subject	% /Grade/GPA
	MSc				
	BSc				
	12 th				
	10 th				
9.	CSIR JRF-NET/UGC JRF-NET (year; roll no., rank)	:			
10.	GATE/GPAT (year; registration no.; valid score; rank)	:			
11.	Any other qualifications	:			
12.	Research/Industry Experience, if any (specify)	:			
13.	No of publications, if any: (attach first page)	:			
<p>Declaration</p> <p>I hereby declare that the information furnished above is true, complete and correct to the best of my knowledge and belief. I understand that in the event of any of the information provided by me are found false or incorrect at any stage, my candidature / appointment shall be liable for cancellation / termination without notice or any compensation in lieu thereof.</p>					
				Signature of candidate	



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IMPORTANT INSTRUCTIONS FOR THE CANDIDATES

1. Please read the instructions **carefully** before filling the Application form for Project **Recruitment of Senior Research Fellow, Advt., No. 001/2026/MGRERI/PROJ-AKC**
2. Please do not fill anything in place of the form number. It is for official use only
3. Please send Application form in the scanned colour pdf along with the photo attached of applicant. (Do not change format).
4. Specify your age properly in **years months and days**.
5. Furnishing wrong information will lead to rejection of candidature.
6. Please attach self-attested photocopies of your age proof/consolidated mark sheets of D.O.B., 10th, 12th, UG (All semester marksheets and Degree Certificate), PG (All semester marksheets and Degree Certificate), National Level Exam, Experience etc., as applicable clearly indicating the marks/GPA/grade achieved/equivalent certificates/ scorecard of qualifying examinations in one PDF file.
7. Please send only **two** files, **One:** Application format - **Scanned PDF**, **Second:** All certificate documents in **one PDF file**.
8. Experience should clearly specify the time duration, place of work and the position held.
9. **The soft copy of duly signed application along with the self-attested documents should reach us by email of concerned Project investigator (email provided in the advertisement) on or before 15/June/2026, 24:00 Hrs. There is no need to send hard copies to the Institute.**
10. Applications that are incomplete and applications without the documents supporting your candidature will not be considered for shortlisting.

University Office:

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