

Curriculum Vitae

Name : **Dr Kammara. Rajagopal**
Occupation: **Scientist F / Senior Principal Scientist**
Office address
Department of Protein chemistry and Technology
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India.
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Educational Qualifications:

Name of the degree	University
BScEd	Mysore
MSc Biotech	Central University
PhD	IMTECH 2004 March

PhD: Thesis entitled as “Protein engineering of Streptokinase” under which we were able to develop Clot specific SK as therapeutic protein for thrombolytic therapy.

Postdoctoral Fellow: National Research Council, and Univ. Ottawa, Canada.

Honors and Awards:

Fellowship	Year
DBT for MSc	1991-93
GATE	1993
CSIR	1994
BARC krishnandae	1994
DAAD	1999
NSERC (Postdoctoral)	2004-07 (NRC, Ottawa)
Kosef fellowship	1997-98
TWAS Fellow	2012
India-UK partnership	2013
Central Uni. of Kerala HOD	2016 establishing Biochemistry Department
CSIR-Technology Award	2018
Brainpool Fellow	2019
MRSB-2021	Member of Royal Society of Biological Sciences

Professional Experience

Post-doctoral Experience: During my postdoctoral studies at National research Council,

Ottawa, and University of Ottawa (Dept of Biochemistry, Microbiology and Immunology) Canada from July 2004-07 was able to develop Antigen delivery system for intracellular pathogens. Some of the data generated during the study has been published in reputed journals.

Present Research Interests:

Development of probiotics, Antimicrobials, Designer Probiotics and recombinant probiotics for therapy.

Awards:

UK-India partnership awards-2014

Brainpool Fellow- 2019

KOSEF fellow- 1998

TWAS fellow-2013

DAAD fellow-1998

CSIR-Technology Award-2018

Academic Profile

A. Research Publications /Significant contributions:

SI No.	Authors	Title of the Paper	Details	IF	Citn
1	Rachel A. Luu, Komal Gurnani, Renu Dudani, Rajagopal Kammara, Henk van Faassen, Jean-Claude Sirard, Lakshmi Krishnan and Subash Sad.(2006)	Delayed Expansion and Contraction of CD8+ T Cell Response during Infection with Virulent Salmonella typhimurium.	J Immunol August; 1, 2006, 177 (3) 1516-1525.	4.7	82
2	KF Siddiqui, M Amir, RK Gurrani, N Khan, A Arora, K Rajagopal, Javed Agrewala (2014).	Latency-Associated Protein Acr1 Impairs Dendritic Cell Maturation and Functionality: A Possible Mechanism of Immune Evasion	The Journal of infectious diseases 209 (9), 1436-1445	7.5	26

		by <i>Mycobacterium tuberculosis</i> .			
3	KF Siddiqui, M Amir, N Khan, G Rama Krishna, JA Sheikh, K Rajagopal, Javed Agrewala (2015).	Prime-boost vaccination strategy with <i>bacillus Calmette–Guérin (BCG)</i> and liposomized alpha-crystalline protein reinvigorates BCG potency.	Clinical & Experimental Immunology 181 (2), 286-296	3.4	7
4	S Choyam, D Lokesh, BB Kempaiah, Kammara Rajagopal (2015).	Assessing the antimicrobial activities of Ocins	Frontiers in Microbiology 6, 1034	4.1	2
5	S Rajashekharan, B Krishnaswamy, Kammara Rajagopal (2017).	Bifid shape is intrinsic to <i>Bifidobacterium adolescentis</i>	Frontiers in Microbiology 8, 478	4.1	2
6	S Choyam, AK Srivastava, JH Shin, R Kammara. (2019).	Ocins for food safety.	Frontiers in Microbiology 10, 1736	4.1	1
7	Dhanashree Lokesh, Raman Parkesh, and kammara Rajagopal (2018).	<i>Bifidobacterium adolescentis</i> is intrinsically resistant to antitubercular drugs	Nature Sci Rep. 8: 11897.	4.2	
8	Vasudha Sundram, Jagpreet S. Nanda, Kammara Rajagopal, Jayeeta Dhar, Anita Chaudhary and Girish Sahni. (2003).	Domain Truncation Studies Reveal That the Streptokinase-Plasmin Activator Complex Utilizes Long Range Protein-Protein Interactions with Macromolecular Substrate to Maximize Catalytic Turnover	Journal of Biological Chemistry. 15; 278; 30569-30577.	4.1	33

Patents granted (total 19 patents)

SI No.	Pat No.	Title in brief	Authors	Filing date	Granted	CommerId
1	8143027	Method of making Pg activator polypeptide with Clot-specific Streptokinase activity	Sahni, Rajesh, Chaiti, Rajagopal,	2007	2012	Yes

			Deepak, Vasudha, Mahavir			
2	80171362	Polynucleotide encoding proteins with CSSK activity	Sahni, Rajesh, Chaiti, Rajagopal, Deepak, Vasudha, Mahavir	2007	2008	Yes
3	287660	Novel CSSK proteins possessing altered Pg activation- characteristics and a process for preparation of said proteins	Sahni, Rajesh, Chaiti, Rajagopal, Deepak, Vasudha, Mahavir	2006	2007	yes
4	7250503	Nucleic acid molecules encoding CSSK fusion proteins possessing altered PG activation characteristics.	Sahni, Rajesh, Chaiti, Rajagopal, Deepak, Vasudha, Mahavir	2003	2007	yes
5	7163817	CSSK proteins possessing altered PG activation characteristic and a process for their preparation.	Sahni, Rajesh, Chaiti, Rajagopal, Deepak, Vasudha, Mahavir	2001	2007	yes
6	0260598	Novel CSSK proteins possessing latered pg activation characteristics and a process for the preparation of said proteins	Sahni, Rajesh, Chaiti, Rajagopal, Deepak, Vasudha, Mahavir	2003	2005	yes
7	0059921	Novel CSSK proteins possessing latered pg activation characteristics and a process for the preparation of said proteins	Sahni, Rajesh, Chaiti, Rajagopal, Deepak, Vasudha, Mahavir	2001	2003	yes
8	0026NF2019	A process of preparation of Bacillus antimicrobial peptide useful for Food Industry	K. Rajagopal Shilja C	2019		Negotiations under way

Recent patent:

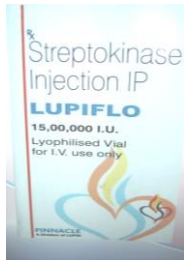
A process for the preparation of bacillus antimicrobial peptide for food industry. 2019 Mar. Shilja and Kammara. Rajagopal

Technologies developed, Licensed and or/ commercialized with details

1. Recombinant Streptokinase: Developed, technology transferred, Licensed and commercialized named as Klot Buster.



1



2



3

**Bug-buster
In powder form**

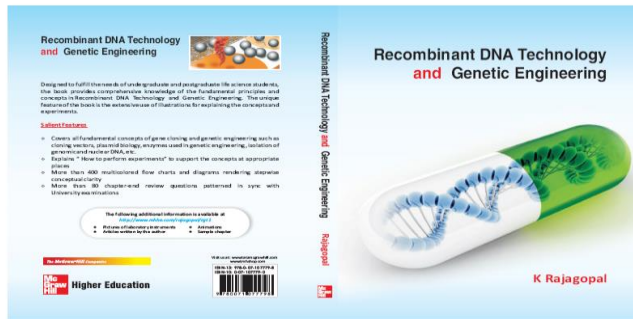
2. Recombinant Streptokinase – Commercialized technology Shasun bio- Chennai

3. Clot specific Streptokinase: Developed, technology transferred to Nostrum Pharmaceuticals, USA for 5 million USD.

4. Bacillus Antimicrobial Peptide Technology (BAMP/ Bug Buster) is ready to transfer, the MNC like Aditya Birla, Intron Life Sciences, and Globion India have already approached and negotiations are under way.

Academic contributions

A single authored textbook has been published for BSc, BTech, and MSC, Pre-PhD students



Grants

LSRB, DST, MoFPI (INDIA)

FRGS grant from Malaysia

BBSRC-UK india partnership awards UK

Department of Biotechnology, India

Welcome trust grant in collaboration with Institute of Food Research IFR, Norwich UK.

Collaborations

USM- Malaysia, Institute of food research (IFR-BBSRC)-UK (Prof Arjan narbad) and KNU-korea