Profile of Dr. P.Balasubramaniam

(i) Designation   :   Professor

(ii) Qualification   :   M.Sc., M.Phil., Ph.D.,M.C.A.,

(iii) Experience   :   26 years

(iv) Specialization   :   Mathematics

(v) Email id   :   balugru@gmail.com

(vi) Research Guidance:

Degree	Awarded	Guiding
M.Phil	14	-
Ph.D	24	4

(vii) Publications

Sl. No.	Category	Total	For the period 2010-2016
1.	No. of papers in Edited Volume / Proceedings	11	11
2.	No. of Publications in International and National Journal	232	132

Select Publications

Sl. No	Title of the Article	Name of the Journal	I/N	ISBN/ ISSN	Vol.	Pages	Date, Month and Year
1	Synchronization of chaotic systems using feedback controller: An application to Diffie–Hellman key exchange protocol and ElGamal public key cryptosystem	Journal of the Egyptian Mathematical Society	I		22	365-372	2014
2	Stability and Hopf bifurcation analysis of immune response delayed HIV type 1 infection model with two target cells	Mathematical Methods in the Applied Sciences	I		38	3653-3669	2014

3	Theoretical and practical applications of fuzzy fractional integral sliding mode control for fractional-order dynamical system	Nonlinear Dynamics	I		80(1-2)	249-267	2015
4	Local and Global Existence of Mild Solution for Impulsive Fractional Stochastic Differential Equations	Bulletin of the Malaysian Mathematical Sciences Society	I		38	867-884	2015
5	Bifurcation analysis of HIV infection model with antibody and cytotoxic T-lymphocyte immune responses and Beddington–DeAngelis functional response	Mathematical Methods in the Applied Sciences	I		38	1330-1341	2015

(viii) Sponsored Projects

Major Projects handled so far		Major Projects handled during 2010-2015	
Nos.	Financial Outlay	Nos.	Financial Outlay
8	Rs.70,72,371/-	2	Rs.28,25,500/-

(ix) Details of Projects (2010-16)

S. No.	Title of the Project	Funding Agency	Duration	Total Amount in lakhs
1.	Studies on Stability and Bifurcation Analysis of Dynamical Systems	National Board for Higher Mathematics, India	2012-2015	Rs.10.12
2.	Existence, Controllability and Stability Analysis of Fractional Semilinear Different Inclusions	Council of Science & Industrial Research, New Delhi, India	2013-2016	Rs.18.14

(x) Seminars/Conferences/Workshops organized (2010-16)   :   5

(xi) Seminars/Conferences/Workshops attended (2010-16)   :   2

(xii) Awards and Honours (2010-16)   :   1

(xiii) Invited talks in National / International Conference (2010-16):   53

(xiv) Visits abroad (2010-16)   :

1. Worked as Visiting Professor and successfully completed collaborative research works with faculties in the Institute of Mathematical Sciences, Faculty of Science, University of Malaya, Malaysia during the following periods

   a. 3 weeks from 30th April 2015 to 20th May 2015
   b. 2 weeks from 22nd November 2014 to 5th December 2014
   c. 3 weeks from 4th May 2014 to 24th May 2014
   d. 1 month from 1st May 2013 to 28th May 2013
   e. 6 months from 12th September 2011 to 11th March 2012
   f. 2 weeks from 2nd December 2010 to 16th December 2010

2. Served as Visiting Professor in Sungkyunkwan University, South Korea from 17th November 2012 to 30th November 2012.

3. Also during the period visited
   a. Pusan National University
   b. Yeungnam University
   c. Pukyong National University to deliver the lecture