Dr. O. S. BABU
ASSOCIATE PROFESSOR
PG & RESEARCH DEPARTMENT OF MATHEMATICS
Dr. AMBEDKAR GOVERNMENT ARTS COLLEGE
VYASARPADI, CHENNAI – 600039
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Personal Details

Name	Dr. O. S. BABU
Designation	ASSOCIATE PROFESSOR
Academic Qualification	M.Sc., M.Phil., B.Ed., P.G.D.C.A., Ph.D.

Teaching Experience

Designation	Department	Institution	Period
Associate Professor	Mathematics	Dr.Ambedkar Government Arts College, Vyasarpadi, Chennai – 39	30.08.2013 to till date
Assistant Professor	Mathematics	Dr.Ambedkar Government Arts College, Vyasarpadi, Chennai – 39	20.12.2007 to 29.08.2013
Lecturer	Mathematics	L.N. Government College, Ponneri	05.07.2002 to 19.12.2007
Lecturer	Mathematics	Muthurangam Govt. Arts College, Vellore	28.08.2000 to 04.07.2002
Lecturer	Mathematics	R.M.K. Engineering College, Kavarapettai	17.06.1996 to 31.05.2000
Lecturer	Mathematics	Jaya Engineering College, Thiruniravur	27.09.1994 to 31.05.1996

Area of Specialization

- Complex Analysis - Univalent functions

Research Supervisor

- M.Sc. Internships   : 05
  (Govt. Arts College for Men, Nandanam)

Board of Studies

- Served as Board of Studies Member in Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai – 39.

Publications

- ### **International/National Journals**

1. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy," *Coefficient bounds for some subclasses of p-valently starlike functions*," Annales UMCS Mathematica Vol. LXVII, No.2, 65-78, 2013.
2. G.Murugusundaramoorthy, C.Selvaraj and O.S.Babu," *Subclasses of starlike functions associated with q-calculus operators*," Journal of Complex Analysis, Hindawi Publishing Corporation, Vol. 2013, 1-8, 2013.
3. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy," *Coefficient estimate of Ma-Minda type Bi-Bazilevic functions of complex order involving Srivastava-Attia*," Electronic Journal of Mathematical Analysis and Applications, Vol.2, No.2, 31-41, 2014.
4. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy," *Coefficient estimates for certain subclasses of bi-univalent Ma-Minda Mocanu-Convex functions,"* Analysis of Theory and Applications, Vol. 30, No.2, 141-150, 2014.
5. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy, " *Majorization for certain subclasses of p-valently analytic functions defined by generalized linear operator",* Far East Journal of Mathematical Sciences, Vol. 90, No.1, 103-116, 2014. (**Scopus Indexed**)
6. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy," *Coefficient estimate of Ma-Minda type Bi-Bazilevic functions of Sakaguchi type based on Srivastava-Attiya operator,* Facta. Universitatis Mathematica and Informatica, Vol.29, No.2, 105-117, 2014.
7. O.S.Babu, C.Selvaraj and G.Murugusundaramoorthy, "*Coefficient estimate of certain subclasses of convex p-valent functions with bounded positive real part*", International Journal of Pure and Applied Mathematics, Vol.95, No.2, 137-147, 2014. (**Scopus Indexed**).
8. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy, " *A note on a subclass of p-valent function defined by an general fractional differintegral operator*-II," J. Anna.Num.Theor.3(1), 39-45, 2015.
9. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy," *Coefficient estimates for Pascu Type subclasses of Bi-univalent functions based on subordination*," Int. J.Nonlinear Science, 19(1), 47-52, 2015.
10. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy, "*Some subclasses of p-valent functions defined by an extended fractional differintegral operator*", Annal Univ. Oradea Fasc. Mat., Vol.22, No.1, 93-103, 2015.
11. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy," *Coefficient estimate of Ma-Minda Type Bi-Bazilevic functionsof complex order involving Srivastava-Attiya operator*," Int.J.Pure and Appl.Math., 101(5), 615-624, 2015. (**Scopus Indexed**).
12. O.S.Babu , C.Selvaraj, and G.Murugusundaramoorthy, Subclasses of bi-univalent functions based on Hohlov operator, Int.J.Pure and Appl.Math., 102(3), 473-482, 2015. (**Scopus Indexed**).
13. O.S.Babu , C.Selvaraj, G.Murugusundaramoorthy and S.Logu, Coefficient estimates of p-

valent Bazilevic functions with bounded positive real part. Bol.Soc. Paran. Math.(3s) 32(2), 63-73, 2016.

14. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy, Some subclasses of p-valent functions defined by generalized fractional differintegral operator-I, Mathematical Sciences Letters, 5(1),1- 10, 2016.

- ## International/National Conference Proceedings

1. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy,"*Fekete- Szego inequality for certain subclasses of p-valently β-convex functions*" Proceedings of 17th Ramanujan Symposium on Mathematical Analysis and Applications, October 29-31, 2012, RIASM, University of Madras, pp.111-123.

2. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy, " *A note on a subclass of p- valent function defined by an extended fractional differintegral operator*," Proceedings of International conference on Mathematics- A global scenario, December 13&14,2012, D.G.Vaishnav, College Chennai, pp.34-39.

3. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy," *Coefficient estimates for Pascu Type subclasses of Bi-univalent functions based on subordination*," Proceedings of National conference on Pure and Applied Mathematics 2013, April 19&20, 2013, VIT University, Chennai campus, pp.34-39.

4. C.Selvaraj, O.S.Babu and G.Murugusundaramoorthy," *Coefficient estimate of Ma-Minda Type Bi-Bazilevic functionsof complex order involving Srivastava- Attiya operator*," Proceedings of International conference on Mathematical Computer Engineering, Novermber 29-30, 2013, VIT University, Chennai campus.

Refresher and Orientation Courses				
Sl. No.	Name of the course	UGC - ASC / UGC-HRDC, University	No. of days	Period
1.	Orientation Course	ASC - University of Madras, Chennai	28	03.07.2001 to 30.07.2001
2.	Refresher Course in Mathematics	ASC - University of Madras, Chennai	21	19.11.2004 to 09.12.2004
3.	Five days Refresher course in Mathematics	Department of Higher Education, Tamil Nadu.	5	13.12.2004 to 17.12.2004
4.	Refresher Course in Mathematics	ASC - University of Madras, Chennai	21	03.11.2006 to 23.11.2006
5.	Refresher Course in Mathematics	ASC - University of Madras, Chennai	21	05.11.2008 to 25.11.2008

Additional Responsibilities
• **Librarian** (In-charge), Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai - 39 from June 2020 to till date.
• **Head** (In-charge), Department of Psychology, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai - 39 from June 2016 to August 2018.
• **Students' Bus-Pass Coordinator**, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai - 39 from June 2013 to May 2016.

• **Subject Expert, Screening-cum Evaluation Committee member** for the following colleges:
  • Department of Mathematics, Pachaiyappa's College, Chennai on 11.08.2021
  • Department of Mathematics, Sir Theagaraya College, Chennai on 06.09.2021
  • Department of Mathematics, L.N. Govt. College, Ponneri on 25.10.2021.
  • Department of Mathematics, D.R.B.C.C.C. Hindu College, Pattabiram on 23.03.2022