



Name : DR. KALI PADA SAMANTA

Educational Qualification : M.Sc. (Mathematics), Ph.D.

Special Paper : Operations Research

Present Position : Assistant Professor & Head
Department of Mathematics,
Hijli College.

Course / Subject Taught : Abstract Algebra , Linear Algebra, Complex Analysis, Metric Space.

Research Area : Special Functions and Lie Theory

Title of the Thesis : Study of some problems on generating functions for
certain special functions from group- theoretic view point

Research paper publications:

2014-2015

1. **Samanta, K. P.** & Samanta, B., On bilateral generating functions of Konhauser biorthogonal polynomials, Univer. Jour. Appl. Math., 3(2)(2015), 18-23.(ISSN:2331-6470)
2. **Samanta , K.P.** & Chongdar, A. K.,Some trilateral generating functions of biorthogonal polynomials suggested by the Jacobi polynomials, Jour Of Sci. Arts, 3(32)(2015), 203-210 .(ISSN: 1844-9581)
3. **Samanta, K. P.** & Chongdar, A. K., Unified theory of obtaining a novel class of generating relations from a given class of quasi-bilateral generating relations of certain special functions by group theoretic method, Inter. Jour. Pure Appl. Math. (To Appear)(2015)(ISSN: 1311-8080)
4. **Samanta, K. P.** & Samanta, B.,On generating functions of Hypergeometric polynomials by group theoretic method, J. of Ramanujan Society of Math. and Math. Sc., 4(2)(2015), (ISSN: 2319-1023)

5. **Samanta, K. P.**, Chandra, B. C. & Bera , C. S., On generating functions of modified Gegenbauer polynomials, *Ultra Scientist*, 26(1)A(2014),74-78.(ISSN: 2231-346X)
6. **Samanta, K. P.**, Chandra, B. C. & Bera , C. S.,An extension of bilateral generating functions of Gegenbauer polynomials, *J. of Ramanujan Society of Math. and Math. Sc.*, 2(2)(2014), 71-76.(ISSN: 2319-1023)
7. **Samanta, K. P.**, Chandra, B. C. & Bera , C. S.,On mixed trilateral generating functions of extended Jacobi polynomials, *Ultra Scientist*, 26(1)A(2014),69-73. (ISSN: 2231-346X)
8. **Samanta, K. P.** & Samanta, B., On partial quasi-bilateral generating functions involving Gegenbauer polynomials, *Inter.Jour. Math. Res.*, 6(2)(2014), 127-134. (ISSN: 0976-5840)
9. **Samanta, K. P.** & Samanta, B., On partial quasi-bilateral generating functions involving Konhauser biorthogonal polynomials, *Inter. Jour. of Pure Appl. Math. Sci.*, 7(2)(2014), 227-232. (ISSN: 0972-9828)
10. **Samanta, K. P.** & Samanta, B.,On mixed trilateral generating relations for Konhauser Biorthogonal polynomials, *Jour Of Sci. Arts*, 3(28)(2014), 237-242. (ISSN:1844-9581)

2013-2014

11. **Samanta , K.P.** & Chongdar, A. K.,An extension of bilateral generating functions of the biorthogonal polynomials suggested by Laguerre polynomials, *Inter. Jour. Math. Res.*, 6(1)(2014),1-5. (ISSN: 0976-5840)
12. **Samanta, K. P.** & Samanta, B.,On mixed trilateral generating relations for biorthogonal polynomials suggested by the Laguerre polynomials, *Ultra Scientist*, 26(2)A(2014), 185-190. (ISSN: 2231-346X)

13. **Samanta , K.P. &Chongdar, A. K.**, On the extension of bilateral generating functions of modified Jacobi polynomials, Jour Of Sci. Arts, 2(23)(2014), 121-124.(ISSN: 1844-9581)
14. **Samanta , K.P. &Chongdar, A. K.**,On quasi-bilinear generating functions of biorthogonal polynomials suggested by Laguerre polynomials, Communication in Differential and Difference Equations, 5(1), (2014), 35-40.(ISSN: 0973-6301)
15. **Samanta, K.P. &Chongdar, A. K.**,On generating functions of biorthogonal polynomials suggested by the Laguerre polynomials, Proyecciones Journal of Mathematics, 33(1) (2014), 133-146. (ISSN: 0717-6279)
16. **Samanta , K.P. &Chongdar, A. K.**,On some generating functions of modified Gegenbauer polynomials by group-theoretic method, Jour Of Sci. Arts, 1(26)(2014), 27-38.(ISSN: 1844-9581)
17. **Samanta, K. P. & Biswas, N.C.**, Some generating functions of biorthogonal polynomials suggested by the Laguerre polynomials, Jour. Cal. Math. Soc., 10(2)(2014), 109-116.(ISSN: 2231-5314)

2012-2013

18. **Samanta , K.P. &Chongdar,A. K.**, Some generating functions of biorthogonal polynomials suggested by the Laguerre polynomials, Ultra Scientist, 25(2)A (2013), 269-274.(ISSN: 2231-346X)
19. **Samanta , K.P. &Chongdar, A. K.**,Unified theory of obtaining a novel class of bilateral generating relations of certain special functions by group theoretic method, J. of Ramanujan Society of Math. and Math. Sc., 2(1)(2013), 1-9.(ISSN: 2319-1023)
20. **Samanta , K.P. &Chongdar, A. K.**, Unified theory of obtaining a novel class of mixed trilateral generating relations of certain special functions by group theoretic method, Rev. Real Academia de Ciencias. Zaragoza,68(2013),73-81.(ISSN: 0370-3207)

21. **Samanta , K.P.** & Chongdar, A. K., On mixed trilateral generating relations for biorthogonal Polynomials suggested by Laguerre polynomials, *Acta Ciencia Indica, XLM(1)(2013)*, 41-44. (ISSN: 0970-0455)
22. **Samanta , K.P.**, Some generating functions of extended Jacobi polynomials by Lie algebraic method, *Jour. Cal. Math. Soc.*, 9(2)(2013), 75-86. (ISSN: 2231-5314)
23. Chandra, B. C., **Samanta, K. P.** & Bera , C. S., On generating functions of biorthogonal polynomials Suggested by Laguerre polynomials, *International Journal of Research in Engineering and Technology*, 2(9)(2013), 421-424. (ISSN: 2321-7308)
24. Chandra, B. C., **Samanta, K. P.** & Bera , C. S., On bilateral generating functions of extended Jacobi polynomials, *Int. J. Contemp. Math. Sciences*, 8(20)(2013), 1001 – 1005. (ISSN: 1312-7586)
25. **Samanta, K. P.**, Chandra, B. C. & Bera , C. S., Some generating functions of modified Gegenbauer polynomials by Lie algebraic method, *Mathematics & Statistics*, 2(4)(2013), 172-178. (ISSN: 2332-2144)

National Seminar/conferences/workshops attended:

1. National Seminar on Recent Developments in Applied Mathematics and its Applications (RDAMA) in the Department of Mathematics, V.U., Paschim Medinipur, 30th & 31st March, 2011.
2. ATM Workshop on Lie group and Lie Algebras, HRI, Allahabad, 22nd -27th August, 2011.
3. Workshop on Recent Development in Mathematical and Physical Sciences, CMS, Kolkata, 1st January, 2012.
4. National Workshop on Recent Trends on Mathematics in Interdisciplinary Research, MCKV Institute of Engineering, Howrah, 31st January, 2012

5. National Seminar on Mathematical Physics (NSMP-2016),
CMS,Kolkata, January 30, 2016.

Association with other professional bodies : Life member- CMS, Kolkata

Achivements : (i) Merit Cums Scholarship Govt. Of West Bengal.
(ii) Qualified GATE Exam.
(iii) Qualified CSIR NET for Assistant Professor.
(iv) Topper in Two NPTEL online courses.