Dinabandhu Mahavidyalaya, Bongaon
Teacher's Profile

Name: Dr. Sujit Kumar Kar

Address: 47, Kamal Park, PO: Birati, Kolkata:700051

Contact No.:9433330115

Email Id:sujitkar052@gmail.com

Designation: Associate Professor

Department: Mathematics

Specialization: Advanced Computer Science and Cybernetics

Educational Qualifications: M.Sc., M.Phil. B.Ed., Ph.D.

Academic career:

Date of Joining: 05/11/1997

Teaching Experience:24 Years+

Subject/course taught: All Core and DSE papers under CBCS syllabus

Research Interests: Lie theory, Generating Functions Field of Interest: Lie theory, Generating Functions Automata theory.

Project Undertaken: Completed one UGC Minor Research Project,2006

Awards and Scholarships: NA

Membership: (i) Life Member of Calcutta Mathematical Society
(ii) Life Member of Indian Statistical Institute
(iii) Life Member of The Indian Science Congress Association

List of Publications (Journals and Books):

1. Reflection of water waves by nearly vertical wall; International Journal of Mathematics, Education, Science and Technology (1992), UK, Vol:23, No. 5, pp:665-670.
2. Generating functions of F(-N,β,r;X) from a view point of Lie-Algebra(1995); Bulletin of Calcutta mathematical Society, Vol-87,pp;479-482.
3. Lie theoretic origins of certain generating functions of Laguerre Polynomials (1996); Atti. Sem. Mat. Fis. Univ., Modena, Italy; Vol: XLIV, pp:1-5.
4. Lie theoretic origins of certain generating functions for modified Jacobi polynomials (1996); Ganita Sandesh, Rajasthan Ganita Parishad (India); Vol:10,No. 2, Dec,pp:93-96.
5. Derivation of a general class of generating functions involving Parabolic Cylindrical function by group theoretic method (1996); The Mathematical Education; Vol:XXX, No.2, June, pp:112-115.
6. On a general class of generating functions involving Modified Bessel polynomials (1996): Bulletin of Calcutta Mathematical Society, Vol:88, pp:363-366.
7. An extension of a bilateral generating function for the Legendre polynomial $P_n(x)$ by group theoretic method. (1996), Bulletin of Calcutta Mathematical Society, Vol:88,pp:447-450.
8. On some generating functions of Gegenbauer polynomials from the view point of local transformation of groups.(1997); Ganita Sandseh; Vol:11, No. 1, June, pp:27-30.
9. An extension of a bilateral generating relation for the Parabolic Cylindrical function.(1998); Indian Journal of Theoretical Physics; Vol:46,No. 1, pp:91-95.
10. On some generating functions of Confluent Hypergeometric polynomials ${}_1F_1(n,\alpha,x)$ from a view point of Lie-theory(2005), Bulletin of Calcutta Mathematical Society , Vol:97,No. 5, pp:413-416.
11. An extension of a class of bilateral generating functions involving the bi-orthogonal polynomials $T^{\alpha}_{k-1,n}(x)$ (2005), Ganita Sandesh, Rajasthan Ganita Parishad, ISSN:0970-9169, Vol:19,No. 1,pp:107-117.
12. Lie theoretic study of some generating functions of $L^{(\alpha,\beta)}_n$ (x,y) (2005): South East Asian Journal of Mathematical Sciences, ISSN:0970-7752, Vol:4, No.1, pp:33-37.
13. Lie theoretic origin of certain generating functions of Hermite Polynomials $H_n(x,y)$ (2006); Review of Bulletin of Calcutta Mathematical Society; Vol:14(2),pp:173-178.
14. On Addition theorem of Confluent Hypergeometric Polynomials ${}_1F_1(n,\alpha,x)$;(2007), Bulletin of Calcutta Mathematical Society, Vol:99, No.5, pp:463-466.
15. Lie theoretic origin of certain generating functions of Konhouser's Bi-orthogonal Polynomials.(2007); Review of Bulletin of Calcutta Mathematical Society; Vol:15(1),pp:29-34.

Conference Presentations: NA