

CURRICULUM VITAE

NAME: Dr. Waphare Balasaheb Bhagaji

PRESENT DESIGNATION: Principal

MIT Arts, Science & Commerce College (MIT ACSC),
Alandi, Pune-412105.

DATE OF BIRTH: First June 1967.

EDUCATIONAL QUALIFICATIONS: B.Sc., M.Sc., P.hd. (Mathematics).

PUNE UNIVERSITY RESEARCH GUIDE RECOGNITION: M.Phil, Ph.D.

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DETAILS OF EXAMINATION PASSED:

| Sl. No. | Name of exam. Passed | Year of passing | Board/University | Percentage/Grade |
|---------|----------------------|-----------------|------------------|------------------|
| 01 | S.S.C. | 1984 | Pune | 71.42 |
| 02 | B.Sc. | 1989 | Pune | 72.00 |
| 03 | M.Sc. | 1991 | Pune | 69.80 |
| 04 | Ph.D. | 2010 | Pune | Awarded |

TEACHING EXPERIENCE: 27 Years

- (i) Two years in P.V.P. College ,Pravaranagar
- (ii) Five years in COE, Kopargaon
- (iii) Ten years in MAE, Alandi (D)
- (iv) Ten years in MIT ACSC,Aandi(D)

RESEARCH EXPERIENCE: 22 Years.

AWARDS AND HONORS

1. A prize awarded for being achieved first rank at B.Sc (Mathematics) at Fergusson College, Pune, 1989.
2. MAEER's MIT Foundation Day Award, 2010.
3. Honored by Shri Hareshwar Vidhyalay Karjule Harya for being achieved Ph.D degree in Mathematics awarded by University of Pune, 2010.
4. Best research paper award by Indian Mathematical Society, 2011.
5. Worked as a referee and examiner to evaluate Ph.D. thesis in Mathematics.
6. Reviewer for the Journal of Computational and Applied Mathematics.
7. Bharat Shiksha Ratan Award by Global Society for Health & Educational Growth, New Delhi, 17th December 2012.
8. Life Time Education Excellence Award with Medal by Economic and Social Development Foundation, New Delhi, 29th April 2013.
9. Selected for Rajiv Gandhi Excellence Award, New Delhi, 2013.
10. Hareshwar Ratna Purskar by Shri Hareshwar Gramin Vikas Trust, Karjule-Harya, Parner on 13th April 2014.
11. Global Teacher Role Model Award 2015 by MVLA Trust, Chembhur, Mumbai on the occasion of World Teacher Day, 5th October 2015.
12. Best Educationist Award for outstanding achievements in the field of education by International Institute of Education & Management on 5th February 2016 .at New Delhi.
13. Reviewer for the Journal of Advances in Mathematics.
14. Member of editorial board of International journal of Mathematical Research.
15. Bharat Jyoti Pratibha Sanman Purskar 2017 by MVLA trust on 16th July 2017 at Ralegan Sidhhi, Parner (State level).

WORKSHOPS/SEMINARS/CONFERENCES /TRAINING ATTENDED:

1. Attended summer school for talented postgraduate Mathematics students from 11th June to 23rd June 1990.

2. Completed short course on computer fundamentals and C language organized by COE Kopergaon from Dec. 11, 1995 to Dec 23, 1995.
3. Attended 63rd annual conference of I.M.S. held at Ahmednagar between 27th to 30th Dec. 1997.
4. Attended refresher course for teachers of Applied Science and Engineering Mathematics departments of Engineering Colleges from June 23, 2003 to June 27 2003.
5. Attended course on special methods of Teaching Engineering Mathematics at AISSMS, college of Engineering Pune from 06/12/04 to 17/12/2004.
6. Attended ISO training programme at MAE, Alandi (D).
7. Attended Two days workshop on 1st and 2nd Jan. 2001 at MIT, Pune on Train the teachers- Effective teaching.
8. Attended state level conference on Quality in Engineering Education held at Pune on 16th April 2000.
9. Attended one day workshop on research methodology for science and engineering held at MAE Alandi, on 23rd December 2005.
10. Attended a seminar on world year of physics 2005 at MAE Alandi.
11. Attended AICTE-ISTE short term training programme on Applications of Optimization Techniques in Science and Engineering Organized by Department of Engineering Sciences and Applied Mathematics, Maharashtra Academy of Engineering, Alandi from 20/02/2006 to 24/02/2006.
12. Attended one-day workshop on writing your thesis on 14th October 2003 at Maharashtra Academy of Engineering, Pune by Dr.Viney Kirpal, Global research education and training foundation, Pune.
13. Attended two days workshop on MATHEMATICA 05 from 28-29 July 2006 at Maharashtra Academy of Engineering Alandi (D), Pune.
14. Attended international conference on Fuzzy mathematics and its applications, from 27/01/07-29/01/2007, at New Arts, Commerce and Science College, Ahmednagar.
15. Attended one day workshop on “SKILLS OF TEACHING MATHEMATICS” held in Department of Mathematics, University of Pune on April 21, 2007.

16. Attended National conference on Engineering Applications of Mathematics at Maharashtra Academy of Engineering, Alandi, from 22/05/2007 to 23/05/2007.
17. Attended The workshop on revision of FE syllabus from the academic year 2008-2009 held at Smt.Kashibai Navale College of Engineering, Vadgaon (Bk.) on 27th June, 2007.
18. Attended Two days workshop on wavelets at Maharashtra Academy of Engineering, Alandi (D) from 24/08/2007 to 25/08/2007.
19. Attended 73rd annual conference of Indian Mathematical Society (Centenary Year 2007-2008) December, 27-30, 2007, organized by Department of Mathematics, University of Pune.
20. Attended Second National Conference on Engineering Applications of Mathematics, organized by Department of Mathematics, MAE, Alandi (D) from 22/05/08 to 23/05/08.
21. Attended One day work on process of promotion of teachers on 25th Feb.2012 at University of Pune, Pune-07.
22. Attended One day State Level Seminar on “Recent Trends in Commerce and Management” on 11th October 2013 at MIT Arts Commerce& Science, Alandi.
23. Attended One day National Level Seminar on Practices for Active Learning of Social Sciences, on 22nd November 2014 at MIT Arts, Commerce and Science College, Alandi.
24. Attended Two days National Conference On Recent Trends in IT and Management held at MIT Arts, Commerce and Science College, Alandi during 28th November 2014 to 29th November 2014.
25. Attended One day state level workshop on Business intelligence and Data Mining at MIT Arts, Commerce and Science College, Alandi on 13th December 2014.
26. Attended one day “Global Teacher’s Conference 2015” on 5th October 2015 at Dadar, Mumbai.
27. Attended one day workshop on Graduation Ceremony organized by Modern College of Arts, Science and Commerce, Shivajinagar, Pune-05 on 13th Jan 2016.

28. Attended Two days National conference on Emerging Trends in Computer Science and Application, from 15/01/2016 to 16/01/2016 at MITACSC, Alandi,Pune.
29. Attended two days state level seminar on Make in India: A focus on socio-economic development of India from 08/01/2016 to 09/01/2106 at MITACSC, Alandi, Pune.
30. Attended one day workshop and participated in the deliberations therein on How to manage Money and be a smart investor organized by NSE at MITACSC, Alandi, Pune on 9th September 2016.
31. Attended regional research conference Innovation-2016 at Baburao Gholap College Sangvi,Pune.
32. Attended one day seminar on world university rankings, ratings & other strategies organized by MIT Arts, Design & Technology University Pune, India on 9th March 2017 at MIT Kothrude,Pune.
33. Attended one day orientation workshop for all principal at IIT Bombay on 26th March 2017.
34. Attended one day workshop on implementation of Maharashtra Public University Act 2016 on 12th April 2017 at SPPU.

MEMBERSHIP OF PROFESSIONAL BODIES:

- (i) Life member of ISTE, New Delhi,
- (ii) Life member of Bona Mathematica, Pune.
- (iii) Life member of Ramanujan Mathematical Society, Tiruchirapalli
- (iv) Member of Journal Indian Academy of Mathematics, Indore
- (v) Life member of Journal of Indian Mathematical Society
- (vi) Life member of International Journal of Mathematical Sciences and Engineering Applications (IJMSEA).
- (vii) Life member of Acta Ciencia Indica.(International Journal)
- (viii) Member of Global Society for Health & Educational Growth.
- (ix) Associate Member of International Institute of Education & Management, New Delhi.

- (x) Member of editorial board for International journal Mathematical Research.

ADMINISTRATIVE AND OTHER:

- (i) Worked as Library In-charge, MAE Alandi (D)
- (ii) Worked as a chairman of a number of committees, viz. Admission, Timetable, gathering, Discipline etc.
- (iii) Worked as a rector of boys' hostel, MAE, Alandi (D).
- (iv) Worked as a Programme officer for National Service Scheme, MAE, Alandi (D).
- (v) Worked as head of the department of Basic Engineering and Engineering Sciences. (From 1999 to 2005).
- (vi) Worked as Coordinator of First year Engineering, MAE, Alandi. (From 28/07/1999 to 01/04/2008).
- (vii) Worked as member of advisory committee in ASG, MAE Alandi.
- (xi) Worked as a Rector for boys' hostels, MAE Alandi. (From 1999 to 2003).
- (xii) Worked as a Chief Rector of boys and girls hostels, MAE, Alandi (From 2007 to 2008).
- (xiii) Worked as a chairman of reception committee, NBA.
- (xiv) Worked as a chairman of reception committee, Annual Social Gathering.
- (xv) Working as Principal MIT ACSC, Alandi (Since 2007 till date).

RESEARCH PUBLICATIONS:

1. S.P.Malgonde and B.B.Waphare, An application of the distributional generalized Hankel-Clifford transformation, Rev.Acad.Canar.Cienc, XIII (Nums.1-2-3), 49-53(2001)- (Publicado en Julio de 2002) (Spain (ISSN No.1130-4723)).

2. S.P.Malgonde and B.B.Waphare, Real Inversion formula for a Hankel type integral transformation, Indian J.pure appl. Math., 34(8) 1195-1207(2003)
3. S.P.Malgonde and B.B.Waphare, Real Inversion formula for the distributional Generalized Meijer transformation, J.Rev. Acad Canar.Cienc. 14, No. 1-2, 79-91 (2002) (Spain). (ISSN No.1130-4723).
4. B.B.Waphare, Applications of Vector differential operator ∇ , Journal of Indian Acad.Math.Vol 27, No.2 (2005) pp.253-259(ISSN No.0970-5120).
5. B.B.Waphare,n-dimensional vector differential operator ∇ and related results, International journal ,Acta Ciencia Indica, Vol. XXXVI, M, No.2, 075-078(2000) (ISSN No.0970-0455).
6. B.B.Waphare, Some recurrence relations involving vector differential operator ∇ , International journal, Acta Ciencia Indica Vol. XXVI, M, No.1, 061-064 (2000) (ISSN No.0970-0455).
7. B.B.Waphare, The n-dimensional vector differential operator ∇_n and its applications, International journal, Acta Ciencia Indica, Vol. XXV, M, No. 419-424(1999) (ISSN No.0970-0455).
8. S.S.Pujar and B.B.Waphare, Isometry to spheres of Riemanian Manifolds admitting a conformal transformation Group – VIII, Ganita (1998) 50(2) (1999) 155-162(ISSN No.0046-5402).
9. S.S.Pujar and B.B.Waphare,Isometry and conformity of Riemanian manifolds to Spheres - X., Acta Ciencia Indica, Mathematics, International journal, XXV No.(1) 31(1999)31-38(ISSN No.0970-0455).

10. B.B.Waphare, Some generalized results involving a vector differential operator ∇_n , International journal ,Acta Ciencia Indica Mathematics, Vol. XXV, M, No.4, 445-448(1999) (ISSN No.0970-0455).
11. S.S.Pujar and B.B.Waphare, Polyharmonic Function in Riemannian Manifolds-II, Indian Academy of Mathematics.
12. S.P.Malgonde and B.B.Waphare, A New inversion formula and Abelian theorems for a Hankel type Integral Transformation, Bulletin of Calcutta Mathematical Society, Calcutta (to appear 2006).
13. S.P.Malgonde and B.B.Waphare, On a Hankel Type convolution of generalized functions, Journal of Indian Acad. Math. Vol.28, No.1 (2006) pp.85-104.
14. S.P.Dabhade and B.B.Waphare, Computer and rural education, National seminar on rural upliftment through information technology sponsored by AICTE, New Delhi (19-09-2003), Seminar preprints p.111.
15. B.B.Waphare, On a n-dimensional Laplacian operator Δ^n , Reflections des Era- Journal of Mathematical Sciences (An International Quarterly Periodical of Science) Vol.1 Issue 4, (2006), 313-326.
16. B.B.Waphare, Some recurrence formulae involving vector differential operator, Progress of Mathematics, Vol.32 (no.1) pp.40, 1998 (International conference on Recent developments in Mathematical analysis with applications to industrial problems).
17. S.P.Malgonde and B.B.Waphare, Distributional Generalized Meijer transformation, Bulletin of pure and applied mathematics, Vol.1 No.1, 28-39(2007).

18. B.B.Waphare and K.R.Atal, Generalized Laplacian operator and tensor, abstract published in National conference on engineering applications of mathematics, pp.37, 2007.
19. B.B.Waphare and S.P.Malgonde, Generalization of Calderon's reproducing formula for Hankel convolution, 73rd Annual Conference of Indian Mathematical Society, organized by Department of Mathematics, University of Pune, December 27-30, 2007pp.16, (REG-C2).
20. B.B.Waphare, Pseudo-differential operator associated with Bessel type operators-I, Thailand Journal of Mathematics, Vol.8, No.1, (2010), 51-62(ISSN No.1686-0209).
21. B.B.Waphare, Pseudo-differential operators associated with the Bessel type operators-II, International Review of Pure and Applied Mathematics, Vol.4, No.2 (2008), 161-169(ISSN No.0973-1350).
22. B.B.Waphare, Inversion of the Hankel type Potential transform, Reflections des Era- Journal of Mathematical Sciences (An International Quarterly Periodic of Science), Vol.3 issue 3, (2008), 195-210.
23. B.B.Waphare, Continuous wavelets transform and related results, Acta Ciencia Indica Vol.XXXIV M No.4, (2008), 1843-1848(ISSN No.0970-0455).
24. B.B.Waphare, Characterization of the Besov-Hankel type spaces, Journal of the Indian Mathematical Society, Vol.76, Nos. 1-4 (2009), 177-186(ISSN No.00195839).
25. B.B.Waphare, The pseudo differential type operator and Hankel type transformation associated with Bessel type operator, Journal of the Indian

- Mathematical Society , Journal of the Indian Mathematical Society, Vol.76, Nos. 1-4 (2009), 187-200(ISSN No.0019-5839).
26. **B.B.Waphare**, Calderon's reproducing formula for Hankel type convolution, Scientia Magna, (Communicated) (2008).
 27. B.B.Waphare, Calderon type reproducing formula associated with the Bessel type differential operator, The Icfai University Journal of Computational Mathematics, Vol. II, No 4, (2009), 30-45.
 28. B.B.Waphare, Sobolev type spaces and its characterization associated with Bessel type operators, Bulletin of Pure and Applied Mathematics, Vol.6, No.1 (2012), 145-163.
 29. B.B.Waphare, Distributional Hankel type transformation and Hankel type convolution, Global Journal of Pure and Applied Mathematics, Vol.5, No.2 (2009), 163-179(ISSN No.0973-1768,0973-9750).
 30. B.B.Waphare, Characterization of Besov type spaces for the Dunkl type operator on the real line, International Journal of Contemporary Mathematical Sciences, Vol.5, (2010), No.20, 963-976(ISSN No.1312-7586,1314-7544).
 31. B.B.Waphare, Convolution of Hankel type transform involving Bessel type functions and its applications, 75th Annual conference of IMS, held at the Kalasalingam University, Krishnankoil during December 27-30, (Accepted) (2009).
 32. B.B.Waphare, On product of pseudo-differential type operators involving Hankel type convolution, International Journal of Mathematical Analysis, Vol. 4, 2010, no. 16, 785 – 795(ISSN No.1312-8876,1314-75-79).

33. B.B.Waphare, Generalized Hankel-Schwartz type transformations on $L'_{p,v}$ spaces of distributions, International Journal of Mathematical Analysis, Vol. 4, 2010, No. 51, 2515 - 2523(ISSN No.1312-8876,1314-75-79).
34. B.B.Waphare, Generalization of wavelet transforms associated with the basic Bessel operator, International Journal of Microcircuits and Electronic (IJME), Vol.1, No.1 (2010), 07-29(ISSN No.0974-2204).
35. B.B.Waphare, Hankel type transform associated with linear and nonlinear potentials, International Journal of Mathematics Research (Accepted) (2010) (ISSN No.0976-5840).
36. B.B.Waphare, A study of Generalized Hankel type and Meijer type Transformations of Distributions and their Applications, Ph.D. Thesis (2010).
37. B.B.Waphare, N.M.Rane, A New Extension of the Finite Hankel Type Transform, International Journal of Chemical Sciences and Applications, Vol.1, Issue 2, Dec-2010, pp 60-64(ISSN No.0976-2590,2278-6015)(ICV-5.09).
38. B.B.Waphare, $L^p_{\alpha,\beta}$ -boundedness of the pseudo-differential type operator associated with the Bessel type operator involving Hankel type transformation, The Mathematics Student ,Vol.79,Nos.1-4 (2010),pp.13-59,76th Annual Conference of Indian Mathematical Society ,Surat,Dec 27-30,2010 ,C2,page 21.
39. B.B.Waphare and S.B.Gunjaj,On the Hankel-Clifford type transformations of generalized functions, International Journal of Advanced Computer and Mathematical Sciences ISSN 2230-9624, Vol 12, Issue 1, 2011, pp 89-99.
40. B.B.Waphare, Paley-Wiener type theorems for the Hankel type transformation, Journal of the Assam Academy of Mathematics (JAAM), Vol.4, 2011, 61-67.

41. B.B.Waphare and P.D.Pansare, Pseudo-differential type operators associated with Bessel type operator involving Hankel type transforms, *International Journal Advanced Scientific Research and Technology*, Vol.3, No.2 (2012), 8-20.
42. B.B.Waphare and S.B.Gunjaj, Hankel type transformation and convolution on spaces of distributions with exponential growth, *International Journal of Mathematical Archive* (IJMA) -2(1), Jan 2011, 131-145(ISSN No.2229-5046).
43. B.B.Wapahre and P.D.Pansare, $L^p_{\alpha,\beta}$ -boundedness of localization operators and Bessel type wavelet transform, *Pacific -Asian Journal of Mathematics* Vol.5,No.2 July–Dec 2011,77-95(ISSN No.0973-5240).
44. B.B.Waphare, Pseudo-differential operators associated with the Bessel type operators-II, *International Review of Pure and Applied Mathematics*, Vol.7, No.1 (2011), 37-45.
45. B.B.Waphare and S.B.Gunjaj, Iterated Integral Transforms and related identities, 77th Annual Conference of the Indian Mathematical Society to be held at Department of mathematics ,Swami Ramanand Teerth Marathwada University, Nanded, from December 27-30,2011 (Accepted).
46. B.B.Waphare, Generalized temperatures in two space variables and its integral representation, *Asian Journal of Current Engineering and Maths1*: 2 March - April (2012) 15 – 17.
47. B.B.Waphare, Integral representations and series expansions of generalized temperatures, *Asian Journal of Current Engineering and Maths1*: 2 March - April (2012), 56 – 60(ISSN No.2277-4920).

48. B.B.Waphare, On Hankel type transform of generalized Mathieu Series, International Journal of Statistika and Matematika ISSN:2277-2790 E-ISSN:2249-8605,Vol.2,Issue 3,2012,pp 13-20(Impact factor:1.1639).
49. B.B.Waphare, Inversion of the reduced Poisson-Hankel type transform, American Journal of Mathematics and Mathematical Sciences, Volume 1, No. 2, July-December 2012, Pp. 87– 100(ISSN No.2278-0874).
50. B.B.Waphare, Appell transforms associated with L^2 -expansion in terms of generalized heat polynomials, International Journal of Statistika and Matematika ISSN:2277-2790 E-ISSN:2249-8605,Vol.2,Issue 3,2012,pp 27-34(IF-0.2857).
51. B.B.Waphare, Appell type transforms associated with expansions of distributions in terms of generalized heat polynomials, International, Journal of Physics and Mathematical Sciences,Vol.2(1), (2012),178-192(ISSN No.2277)(ICV-5.34).
52. B.B.Waphare, On the generalized heat equation, International Journal of Physics and Mathematical Sciences, Vol.2 (1) (2012), 193-205(ISSN No.2277)(ICV-5.34).
53. B.B.Waphare, Weierstrass type transform associated with the Hankel type operator, International Journal of Physical, Chemical and Mathematical Sciences, Vol.2 No.2,July-Dec(2013),1-11(IF-0.236).
54. B.B.Waphare,A Paley-Wiener type theorem for the Hankel type transform of Colombeau type generalized functions, Asian Journal of current Engineering and Maths.1:3 May-June (2012),166-172.

55. B.B.Waphare, On the n-dimensional distributional Hankel type transformation, International Journal of Physical, Chemical and Mathematical sciences, Vol.1, No.1, Jan-June (2012), 8-15(IF-0.236).
56. B.B.Waphare, An n-dimensional pseudo-differential type operator involving Hankel type transformation, Elixir Math. Edu. (Elixir International Journal) 64(2013),19222-19241(ICV is 5.79 in 2012 and 5.09 in 2011).
57. B.B.Waphare, Characterization of convolution and multiplication operators on Hankel type transformable function and distribution spaces, International Journal of Physical, Chemical and Mathematical sciences, Vol.1, No.2 (2012), pp.10-19(IF-0.236).
58. B.B.Waphare, Hankel type convolution operators on entire functions and distributions, International Journal of advanced scientific and technical research, Vol.4, No.2, August (2012), 427-452(ISSN No.2249-9954).
59. B.B.Waphare, Ultra-distributions associated with Fourier-Hankel type transformation, International Journal of advanced scientific and technical research, Vol.4, No.2, August (2012), 411-426(ISSN No.2249-9954).
60. B.B.Waphare, n-dimensional Sobolev type spaces associated with the Hankel type transformation, Antarctica Journal of Mathematics (Accepted) (2012)(ISSN NO.0972-8643).
61. B.B.Waphare, A Distributional Hardy type transformation, International Journal of Physical, Chemical and Mathematical Sciences, Vol2, No.1, 1-15 (Jan-June 2013)(ISSN No.-2278-683X)(IF-0.236).

62. B.B.Waphare, On Characterizations of W-type spaces, International Journal of Marketing and Technology, Vol.3 Issue 1,248-258 (2013) (ISSN No.2249-0558)(ICV-5.09).
63. B.B.Waphare, Hankel type convolution equations in distribution space, International journal of Engineering, Science and Mathematics, Vol.3, Issue 2, 47-67 (2013) (ISSN No.2320-0294)(ICV-6.96).
64. B.B.Waphare, Hardy type inequalities for Riemann-Liouville and Weyl transforms associated with the differential operator $S_{\alpha,\beta}$, International Journal of Management IT and Engineering, Vol.3, Issue 4, 569-585 (2013) (ISSN No.2249-0558)(ICV-5.09).
65. B.B.Waphare, Meijer type transformation and related results, International Journal of Physics, Chemistry and Mathematical Fundamental, Vol.4, Issur 01, 7-16 (2013) (ISSN No.2278-1846).
66. B.B.Waphare, Hankel type transform associated with $U_{\alpha,\beta}^p$ -space, Open Journal of Mathematical Modeling (OJMMO), 1(2), 58-69, (2013) (ISSN No.2328-496X).
67. B.B.Waphare, On Hankel type multipliers and transplantation operators, Open Journal of Mathematical Modeling, 1(4), 125-135(2013) (ISSN No.2328-496X).
68. B.B.Waphare, Disrtibutional generalized finite Hankel type transformation, Elixir Appl. Math.59, 15243-15250, (2013)(ISSN No.2229-712X) (IF: 5.09).
69. B.B.Waphare, The Hankel type transformation of Gevrey Ultra-distributions, Elixir Appl. Math.59, 15251-15259,(2013))(ISSN No.2229-712X) (IF:5.09).

70. B.B.Waphare, Representation and boundedness of the multiplier operator for the Hankel type transform, MATHEMATICA AETERNA (Accepted) (2013)(ISSN No.1314-3344)(IF-0.8021)(ICV-5.99).
71. B.B.Waphare and S.B.Gunajal, The complementary Hankel type transformations of arbitrary order, International Journal of Analysis and Applications, Vol.3, No.2 (2013), 81-92)(ISSN No.2291-8639)(IF-0.814).
72. B.B.Waphare, Generalized Hardy type transformation of certain spaces of distributions, Elixir Math. Edu.(Elixir International Journal) 64(2013),19242-19250(ICV is 5.79 in 2012 and 5.09 in 2011).
73. B.B.Waphare, Hankel type transformation and convolution of tempered Beurling distribution, International Journal of Engineering Sciences and research Technology, Vol.2 (10) (2013) (Impact Factor: 1.852).
74. B.B.Waphare, Pseudo-differential type operator on certain Gevrey type spaces ,Global Journal of Dynamical System and Applications, Vol.3, No.1 (2014), pp.1-10(IF for 2013 is 2.38).
75. B.B.Waphare, The $K_{\alpha, \beta}$ transformation on McBride's spaces of generalized function, International Journal of Applied mathematics and Mechanics, Vol.3, No.1 (2014), pp.21-32 (IF for 2013 is 2.38) (ISSN 0973-0184).
76. B.B.Waphare, Appell transforms associated with expansions in terms of generalized heat polynomials, International Journal of Mathematics Trends and Technology, Vol.6, No.2 (Feb-2014), 149-175(ISSN:2231-5373).
77. B.B.Waphare, Characterization of Hankel type kernels, Caribbean Journal of Science and Technology, Vol.2, 340-356 (2014).

78. B.B.Waphare, A transplantation theorem for the Hankel type transform on Hardy space, *Caribbean Journal of Science and Technology*, Vol.2, 357-371 (2014).
79. B.B.Waphare, n-dimensional generalized heat equation and its heat polynomial, *Elixir Appl. Math.* 72, 25558-25566(2014).
80. B.B.Waphare, The convolution product associated with the Bessel type wavelet transform, *Elixir Appl. Math.* 72, 25567-25576 (2014).
81. B.B.Waphare, The Bessel type Wavelet Convolution Product, *Journal of Advances in Mathematics*, Vol.7, No.9, 2847-2856 (2014)(Impact factor:1.296)(ICV:5.86).
82. B.B.Waphare, Pseudo differential type operators and its applications, poster presentation in the Regional Research Conference INNOVATION-2105 for Savitribal Phule Pune University College Teachers in the subject Mathematics, held at Fergusson College, Pune on 17th June 2015.
83. S.G.Gajbhiv and B.B.Waphare, An Enhanced Pseudo-Differential Operator Associated with Bessel Operator, *International Journal of IT, Engineering and Applied Sciences Research (IJIEASR)*, Volume 4, No. 2 (2015),8-10 [ISSN: 2319-4413(Impact factor:3.084)].
84. B.B.Waphare and S.J.Gajbhiv, The Pseudo-differential type operator $(-x^{-1}D)^{\alpha-\beta}$ associated with the Fourier-Bessel type series representation, *The Palestine Journal of Mathematics*, Vol.5 (2)(2016),175-182.
85. B.B.Waphare and S.B.Gunjaj, Hankel type transformable distribution spaces and its characterization, *International Journal of Engineering, Science and*

- Mathematics, Vol.4, issue 4, 97-118(Dec. 2015) (ISSN:2320-0294) (IF for 2013-4.689, IF for 2014-5.693)(IF for 2015 is 6.238).
86. P.D.Pansare and B.B.Waphare, Pseudo differential Operators involving generalized Hankel-Clifford transformation, Asian-European Journal of Mathematics (AEJM), Vol.9, No.1(2016), 1650016(7 pages), 1-7 (Print ISSN: 1793-5571, Online ISSN: 1793-7183).
 87. B.B.Waphare, Generalized fractional Hankel type transform, Caribbean Journal of Science and Technology, Vol.3, 855-863(2015)(ISSN **0799-3757**).
 88. B.B.Waphare, Hankel type transform on a Gevrey type space, Caribbean Journal of Science and Technology, Vol.3, 864-871(2015).
 89. B.B.Wapahre, The range of the Hankel type and extended Hankel type transformations, Elixir Appl. Math., 90(2016), 37351-37359 (IF: 5.525). (IF:5.525)(2229-712X).
 90. B.B.Wapahre, Solutions of the generalized heat equation and its integral representations, Elixir Appl. Math., 90(2016), 37360-37369 (IF: 5.525).
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98. More papers are under process.

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