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PROF. JAGDISH SINGH NANDAL

*Department of Mathematics,
Maharshi Dayanand University,
Rohtak-124001 (Haryana)*



1. Name	:	Prof. Jagdish Singh Nandal
2. Father's Name	:	Sh. Raj Singh Nandal
3. Date of Birth	:	July 10, 1962
4. Designation	:	Professor , Department of Mathematics M.D. University, Rohtak-124001 Phone- 01262-393303, 393315
5. Positions held earlier	:	-Head, Department of Mathematics, M.D.U. Rohtak (2013-2016) -Professor-in-Charge, Central Library, M.D.U. Rohtak (16-02-2009 to 19-06-2009) -Co-ordinator, Directorate of Distance Education Study Centre, Department of Mathematics, M. D. U., Rohtak (2003-2005, 2010-2012)
6. Home Address	:	H.No. - 1421, Sector-1, HUDA, Rohtak Phone- 01262-274288, Mobile- 9416291297 E-mail: jsnandal2k15@gmail.com js_nandal_2k5@yahoo.com
7. Permanent Address	:	V. &.P.O. -Bohar, Distt. -Rohtak (Haryana)
8. Academic Qualifications	:	▪ Ph.D. (Mathematics) ▪ M. Sc., M.Phil. (Mathematics)
9. Teaching Experience	:	30 years
10. Research Experience	:	31 years
11. Topic of Research	:	▪ Solid Mechanics ▪ Theoretical Seismology ▪ Biofluid Dynamics

12. Research Project	:	A minor research project out of UGC Grant during the session 2001-2002
13. Research Papers	:	62 (List enclosed) <ul style="list-style-type: none"> ▪ Published: 60 ▪ Communicated: 02
14. Ph.D. Thesis Guided/Guiding	:	9 (Guided) + 3(Guiding) (list enclosed)
15. M.Phil. Dissertation Guided/Guiding	:	18 (Guided) (list enclosed)

16. Academic Experience

- **Life Member**, Indian Mathematical Society.
- **Referee, *Sadhna***, Indian Academy of Sciences, Bangalore.
- **Referee, Journal of Calcutta Mathematical Society**, Calcutta.
- **Co-convener, International Conference** on History and Development of Mathematical Sciences & Symposium on Nonlinear Analysis, held during November 21-24, 2012 at the Department of Mathematics, M. D. University, Rohtak.
- **Represented the University at the National Workshop** on “Status of Basic Science Research in Institutions of Higher Education” organized during January 29-30, 2004 at Punjabi University, Patiala, in collaboration with Association of Indian Universities, New Delhi.
- **Prepared and presented the proposal (Rs. 88 lakhs)** of Department of Mathematics, M. D. University, Rohtak under **FIST Program of DST** [6] on 16.6.2006 at Kolkata (**An amount of Rs 55 lakhs was sanctioned**).
- **Member, Organizing Committee for Science Conclaves**, organized by M. D. University, Rohtak and **Department of Science and Technology, Govt. of Haryana**, during December 2-3, 2011 and February 22-23, 2014.
- Prepared **Handbook of Information** for the new courses “**M.Sc. Mathematics with Computer Science**” and “**5-Year Integrated M. Sc.(hons.) Mathematics**” started in the Department of Mathematics, M. D. University, Rohtak w.e.f. the sessions 2006-2007 and 2008-2009 respectively.
- **Joint Secretary in National Conference** on History of Mathematics and Recent Developments held during December 20-22, 2006 at the Department of Mathematics, M. D. University, Rohtak.

- **Vice-Chancellor's nominee/ Subject expert** in the selection committees for the post of Principals/ lecturer in mathematics and other subjects in various colleges/institutes and Haryana Public Service Commission.
- **Convener, UMC Committee**, M. D. University, Rohtak, during 2003-2004, 2008-2009, 2010-2011, 2012-13, 2014-15, 2016-17, 2018-19.
- **Convener / Member, Inspection Committees**, Post Graduate / Degree /Engineering Colleges, affiliated to M. D. University, Rohtak.
- **Convener/Member, Special Flying Squad/Flying Squad**, Examinations M. D. University, Rohtak, since 1997.
- **Chief Secrecy Officer/Secrecy Officer** in various Entrance Examinations, M. D. University, Rohtak, since 1996.
- **Incharge, Regional Mathematical Olympiad**, during the years 2000, 2001, 2003, 2006, 2010.
- **Member, Faculty of Distance Education** for the period 06-04-2011 to 05-04-2013.
- **Evaluator for various Entrance Examinations** conducted by M. D. University, Rohtak, during 1992-2003.
- **Member, Syllabi Framing Committee for Mathematics**, M. D. University, Rohtak, since 2001.
- **Observer/Superintendent in Chief/ Superintendent** for various entrance examinations conducted by M. D. University, Rohtak and other Universities in Haryana.
- **Member, Departmental Library Committee**, M. D. University, Rohtak, since 2003.
- **Member, Admission Committee, Department of Mathematics**, M. D. University, Rohtak, since 1994.
- Prepared a **bank of 1000 questions in mathematics** for various Entrance Examinations of **Haryana Government** in 2007.

17. Administrative Experience

- **Head, Department of Mathematics, Maharshi Dayanand University, Rohtak** from 01-05-2013 to 30-04-2016.
- **Professor-in-charge, Central Library, Maharshi Dayanand University, Rohtak** from 16-02-2009 to 19-06-2009.

- **Enquiry Officer for various cases (related to University Administration, Audit Requisition, Academic Matters, Employee Conduct and Lapses, Financial Embezzlement, Theft in University, COE Office and Examinations, University affiliated Institutions etc.)** of M. D. University, Rohtak, since 1997.
- **Convener/Incharge** of the Committee for seating arrangement, facultiwise/subjectwise grouping of students and overall movement of students/teachers during the **15th, 16th and 17th M.D.U. Convocations** in the years 2013, 2017 and 2018.
- **Co-ordinator, Directorate of Distance Education Study Centre, Department of Mathematics**, M. D. University, Rohtak, during 2003-2005, 2010-2012.
- **Member of the Advisory Committee** to advise and assist the Administrator, coordinate with the Heads/Principals/Directors of the Institutions being run by the **Jat Education Society** for smooth functioning and the betterment of the institutions, during 2011-12.
- Appointed as **Accepting Authority for signature on ACR's of faculty members and ministerial staff of Chhotu Ram Polytechnic**, Rohtak for the period 2007-08, 2008-09 and 2009-10.
- **LIAISON OFFICER, appointed by the Vice-chancellor**, in connection with the visit of the **XI Plan UGC Expert Team** to M. D. University, Rohtak, during 11.08.2008 to 14.08.2008.
- **Member, Committee to check menace of sexual harassment & violence against Women (SCSHVW)** at work place, M. D. University, Rohtak (2008-2009).
- **Convener, Committee regarding preparing the software** for inviting the online applications for recruitment on all teaching and non-teaching posts of M.D.U., Rohtak, 2017-18.
- **Incharge of the Committee for getting vacated the houses of non-teaching Employees of M.D.U., Rohtak, during March- 2014, illegally/wrongly occupied/subletted by the Employees/outsideers since long back (59 houses were got vacated).**
- **Member, Examination Reforms Committee, M.D.U., Rohtak** during the year 2016.
- **Member, Renumeration Revision Committee, M.D.U. Rohtak** for revision/updation of all types of remuneration of the University, during the year 2017-18.
- **Vice-chancellor's nominee for various Tender Committees** of M.D.U. Rohtak during 2015-16.
- Appointed as the Member of the **MDU Investment Committee** w. e. f. Dec. 2018.

- **Convener/Member, various Purchase Committees/Central Purchase Committees** constituted by the Vice-chancellor/Registrar, M. D. University, Rohtak.
- **Member, Selection Committee**, constituted by the Vice-chancellor, for the post of Transport Officer, M. D. University, Rohtak, December 12, 2008.
- Acted as **Returning Officer for Non-Teaching Employees Association's Election**, M. D. University, Rohtak, held in 2003.
- Acted as **Observer for the Election of Governing body of Jat Education Society** during 2012, appointed by the Vice-Chancellor, M.D.U., Rohtak.
- Inducted as a **Member of the Team of the Teachers constituted by the Vice-Chancellor** to conduct **surprise visits** to teaching departments/offices to check the presence of employees, position/status of classes and general state of cleanliness and maintenance of premises, during the year 2003-2004.
- **Member, Managing Committee of the University Campus School**, M. D. U. Rohtak for the session 2018-19.
- Appointed as **Convener of the Grievance Redressal Committee** by the Vice-chancellor for various engineering colleges w. e. f. 2012, as per AICTE norms.
- Acted as **University representative** in the counseling for admission as well as Internal sliding in Engineering courses at C. R. State College of Engg., Murthal for the year 2003-04, 2004-05 and B. M. College of Engg. for the year 2005-06, 2006-07.
- Worked as **University nominee on the Board of governors** of Daronacharya Engineering College, Farrukh Nagar, Gurgaon in 2002-2003, RPS College of Engineering, Balana, Mohindergarh and J. B. Knowledge Park, Manjhawali, Faridabad in 2011- 2014 and Satish Public College of Education, Rewari in 2016-17.
- Nominated as **University Representative for Planning Board** of all the colleges of Faridabad district for UGC grant (in response to DGHE, Haryana letter) during 2018-19.
- Nominated as **member of Board of Management, Chhotu Ram Polytechnic, Rohtak** from the panel of Haryana Govt., Technical Education Department for the year 2011.
- Member of the **committee for conversion of SFS teaching posts into budgeted posts** in M. D. University, Rohtak, during 2018.
- **Member, Scrutiny Committee** for the Posts / Promotion of Teachers in Mathematics, M. D. University, Rohtak.
- **Nominee of Vice-Chancellor in the Review Committee for conversion of services of teachers** in Department of Mathematics (under SFS) on Co-terminus basis.

18. Extra-curricular Activities

- **Incharge, National Adventure Programme of Bharat Scout and Guide, Pachmari (M.P.)**, June, 2004. Also participated in the adventure programmes and as result got a certificate of merit.
- **Incharge, Trip to International Book Fair**, 1997, 1999, 2000, 2003, 2004, 2005, 2007.
- **Incharge, Blood Donation Camp**, Red Cross Society, Rohtak, held on 16.09.2001. **Donated blood** and motivated the students of various Departments of the University for this “**noble social**” cause (**104** units of blood were donated in this camp).
- **Co-convener of the Cultural Program** presented by the Department of Mathematics at the National Conference on History of Mathematics and Recent Developments during December 20-22, 2006 held at Community Centre, M.D. University, Rohtak.
- **Incharge, Educational Tour** to Manali (HP) and neighbouring areas (1998, 2002), Nainital (UK) and neighbouring areas (2009), Dalhoji(HP) and neighbouring areas (2011) and Rajasthan, Gujarat and Div & Daman (2013).
- Organised **Blood Donation Camp** in the Department of Mathematics, M. D. University, Rohtak. on 28.02.2011. **Donated blood** and motivated the students of the Department for this “**save lives**” activity (**128** units of blood were donated in this camp).
- **In the capacity of Head, organized Blood Donation Camp** in Department of Mathematics, M.D.U. Rohtak on 16-09-2015 wherein **105** units of blood were donated.
- **Member, organizing committee, Zonal Youth Festival/Folk Festival**, during the session 2014-15, organized by M.D. University, Rohtak.
- **Donated Rs. 31000/-** for strengthening of Maharshi Dayanand University Alumni Association, Rohtak during 2018.

19. Conferences/ Seminars/ Refresher Courses/ Lectures

- Organized/Attended **Refresher Course** in Mathematics from 28.03.1995 to 17.04.1995 in the Department of Mathematics, M. D. University, Rohtak.
- Attended **Orientation Course** from 06.05.1996 to 01.06.1996 in the Academic Staff College, H. P. University, Shimla.
- Organized/Attended **National Seminar** on Recent Advances in Seismology held at the Department of Mathematics, M. D. University, Rohtak, during January 15- 16, 1998.
- Organized/Attended **Refresher Course** in Mathematics from 08. 03. 1999 to 28. 03. 1999 in the Department of Mathematics, M. D. University, Rohtak.

- Attended **Refresher Course** in Mathematics from 16.11.1999 to 07. 12. 1999 in Academic Staff College, Jamia Millia Islamia, New Delhi and presented a paper “On Torsion of Circular Beams with Holes at the Centre”.
- Attended **National Conference of Mathematical and Statistical Techniques** (NCMST – 2001) held at School of Basic and Applied Sciences, Thapar Institute of Engineering and Technology, Patiala during Dec. 6-8, 2001 and presented the paper “On Torsion of Circular Cylinders with Grooves”.
- Attended **46th Congress of ISTAM** (An International Meet), NIT, Hamirpur (HP) during December 19-22, 2001 and presented the paper “On Torsion of Beams with Parabolic End.”
- Attended **67th Annual Conference of Indian Mathematical Society** at the Department of Mathematics, Aligarh Muslim University, Aligarh during January 27-30, 2002 and presented the paper “Rayleigh Waves Scattering due to Mountain of Finite Depth at the Coastal Region”.
- Attended **SAP Seminar on Advances in Theoretical and Applied Seismology** at Department of Applied Mathematics, Indian School of Mines, Dhanbad during October 29-30, 2003 and presented the paper “Scattering of Rayleigh Wave by a Rigid Vertical Barrier at the Coastal Region”.
- Participated in the **National Workshop** (as University nominee) on “Status of Basic Science Research in Institutions of Higher Education” at Punjabi University Patiala on January 29-30, 2004, in collaboration with Association of Indian Universities, New Delhi.
- Attended **70th Annual Conference of Indian Mathematical Society** at the Department of Mathematics and Statistics, J. N. V. University, Jodhpur during December 26-29, 2004 and presented the paper “Scattering of Rayleigh Waves by a Vertical Plane Barrier at the Bottom of a Shallow Ocean”.
- Attended **SAP Seminar on Advances in Theoretical and Applied Seismology** at Department of Applied Mathematics, Indian School of Mines, Dhanbad during March 3-4, 2005 and presented the paper “Rayleigh Waves Scattering due to Pack-ice of Finite Extent in a Shallow Ocean”.
- Participated in the **Workshop on Nonlinear Dynamical Models** and their behavior at Department of Mathematics I.I.T. Roorkee, during March 11-13, 2005.
- Attended **Symposium on Current Trends in Biomathematics** at Department of Mathematics I.I.T. Roorkee on March 14, 2005.
- Attended **71st Annual Conference of Indian Mathematical Society** at the Department of Mathematics, I.I.T, Roorkee, during December 26-29, 2005 and presented the paper “Rayleigh Wave Scattering due to Vertical Discontinuity at the Coastal Region”.
- Attended **Workshop on Information Technology** for Teachers in the Department of Computer Science & Applications, M. D. University, Rohtak on January 7, 2006.

- Attended **National Conference on History of Mathematics and Recent Developments**, Department of Mathematics, M.D. University, Rohtak during December 20-22, 2006 and presented two papers entitled:
 - (a) “Deformation of the Two Welded Half Spaces in Monoclinic Medium due to Long Strike-Slip Fault”.
 - (b) “On Torsion of Circular Beams with Edges”.
- Attended **International Conference** on Advances in Mathematics: Historical Developments & Engineering Applications, G. B. Pant University of Agriculture & Technology, Pantnagar during December 19-22, 2007 and presented the paper “Rayleigh Waves Scattering due to Rigid Vertical Barrier in Shallow Oceans”.
- Attended **National Conference** on Advances in Mathematics and its Applications, NIT, Hamirpur(HP) during December 19-21, 2008 and presented the paper “Scattering of Rayleigh Wave at the Edge of Pack-Ice of Finite Width in Shallow Oceans” and also chaired a session of paper presentation.
- Attended **International Conference** on Recent Trends in Mathematics and its Applications (ICRTMA-09) March 30-31, 2009, Department of Mathematics, Jamia Milia Islamia, New Delhi and presented the paper “Rayleigh Wave Scattering due to Horizontal Discontinuity in a Shallow Ocean”.
- **Delivered two lectures** on “Programming in C” in the National Seminar on Mathematics, Govt. P. G. College, Narnaul, Feb. 13-14, 2010.
- Organised **International Conference** on History and Development of Mathematical Sciences & Symposium on Nonlinear Analysis held during November 21-24, 2012 at the Department of Mathematics, M. D. University, Rohtak. Also chaired a session of paper presentation and presented the paper “Effect of Crack-Dilatancy on Rayleigh Waves in Fluid-Saturated Porous Media”.
- **Delivered one lecture** on the topic “Complex Functions” on 14.03.2014 and **two lectures** on the topics “Analytic Functions & their Applications” and “Complex Integration, Singularities and Calculus of Residues” on 15.03.2014 during the Refresher Course held from 01.03.2014 to 21.03.2014 at the Department of Mathematics, K.U. Kurukshetra.
- **Member, Organizing Committee, NAAC sponsored two days workshop** on Quality Assurance and Accreditation, March 19-20, 2015, organized by IQAC, M. D. U. Rohtak.
- **Organized one day workshop on "Communications and Soft Skills" on Oct. 16, 2015 (In the capacity of Head)** in the Department of Mathematics, M. D. U. Rohtak.
- **Member, Organizing Team for workshops** on "All India Survey on Higher Education", conducted by AISHE Cell, M. D. U. Rohtak, on Nov. 20, 2015 and March 17, 2017.
- **Participated in one day workshop on Skill Education and Choice Based Credit System**, March 31, 2016, conducted by M. D. U. Rohtak and sponsored by RUSA, DHE, Govt. of Haryana.

- **Member, Organizing Team for one day workshop** on“Mathematics: Recent Developments and Scope” held on Oct. 21, 2016, organized by Department of Mathematics, M. D. U. Rohtak.
- **Member, Organizing Committee for the workshop** “Recent Developments in Mathematical Sciences” held on March 7-8, 2017, organized by Department of Mathematics, M. D. U. Rohtak(Also chaired a session).
- **Participated in one day workshop** on "Women safty and gender sensitization at workplace" in the **capacity of a judge** in the competitive activities held on March 22, 2018, M. D. U. Rohtak.

20. Ph.D. Scholars Guided/Guiding

Sr. No.	Name of Scholar	Topic/Title of Thesis	Year of Completion
1.	Manju Deshwal Assistant Professor, Deptt. of Mathematics, Govt. College for Women, Panchkula	On Scattering of Rayleigh Waves by Irregular Boundaries	2002
2.	Anil Kumar Associate Professor, Deptt. of Computer Science, NRS Govt. College, Rohtak	Deformation of a Half-Space by Dislocation Sources	2004
3.	Ajay Kumar Assistant Professor, Deptt. of Mathematics, Govt. PG Nehru College, Jhajjar.	Wave Propagation in Thermo- elastic Media in the Presence of Cracks and Hydrostatic Initial Stresses	2007
4.	Rajbala Rathee Assistant Professor, Deptt. of Mathematics, A.I.J.H.M.College, Rohtak	Modeling of Blood Flow in Arteries	2011
5.	Meenal Malik Assistant Professor, Deptt. of Mathematics, A.I.J.H.M.College, Rohtak	Static Deformation Caused by Two Dimensional Seismic Sources Located at an Arbitrary Point	2011
6.	Pushpendra Kadian Assistant Professor, Deptt. of Mathematics,	Scattering of Love Waves due to Surface Irregularities	2011

	Govt. PG Nehru College, Jhajjar.		
7.	Tribhuan Saini Principal, Govt. College, Bherian, Kurukshetra.	Propagation of Elastic Waves in Real Media	2014
8.	Sangeeta Kumari Assistant Professor, Deptt. of Mathematics, Chandigarh University, Gharuan, Punjab.	Surface Waves in Various Generalized Thermo-elastic Models	2014
9.	Ritu Sindhu PGT in Mathematics, Geeta Rattan Jindal Public School, Sec-7, Rohini, Delhi.	Surface Wave Propagation in Anisotropic Micropolar Elasticity	2016
10.	Renu Rani Assistant Professor, Deptt. of Mathematics, G. V.M. Girls College, Sonapat	Deformation of Monoclinic Half-Spaces by Dislocation Sources	Continuing
11.	Sushila Devi Assistant Professor, Deptt. of Mathematics, Govt. College, Jassia	Modelling of Blood Flow in Stenosed Arteries in the presence of Magnetic Field	Continuing
12.	Asha Rani Assistant Professor, Deptt. of Mathematics, Govt. College, Sampla	Wave Propagation in Micropolar Piezoelectric Medium	Continuing

21. M.Phil. Candidates Guided

Sr. No.	Name of Candidate	Topic/Title of Dissertation	Year of Award
1.	Suman Lata	Stoneley Waves Scattering due to Impedance at the Interface	1998
2.	Anil Kumar	Diffraction of SH-Waves by Surface Irregularities	2000
3.	Nirmal Kumari	Stoneley Waves Propagation in the Presence of Pack Ice in a Shallow	2001

		Ocean	
4.	Satyavir Singh	Torsion of Rectangular Beams with Edges	2003
5.	Manisha	Static Deformation of a Half-space by an Inclined Tensile Fault of Finite Width	2004
6.	Meenal Malik	Effects of Couple Stresses on the Blood Through Stenotic Blood Vessels	2005
7.	Meenakshi	On Torsion of Circular Beams with Edges	2005
8.	Amit Mahajan	On Pulsatile Flow of a Viscous Liquid	2006
9.	Sushila	Biorheological Aspects of Blood Flow Through Artery with Stenosis	2007
10.	Sushila Kumari	Scattering of P-waves in Presence of Surface Discontinuities	2007
11.	Poonam Rani	On Torsion of Rectangular Beams with Grooves	2008
12.	Poonam Gupta	Shear Dislocation in two Dimensions by a Long Inclined Strike-slip Fault in Monoclinic Medium	2009
13.	Roopal	On Torsion of Circular Beams with Grooves	2009
14.	Vinod Kumar	Diffraction of Compressional Waves by a Rigid Barrier in a Liquid Half-space	2010
15.	Pooja	Diffraction of Compressional Waves by a Rigid Barrier in a Liquid Layer	2011
16.	Anju	Scattering of Rayleigh Waves	2012
17.	Jyotsana	Bio fluid Dynamics	2014
18	Manisha	Rayleigh Wave Propagation in Micropolar Elastic Solid Half-space	2018

22. LIST OF PUBLICATIONS: PROF. J.S. NANDAL

1. P.S.Deswal and J.S.Nandal, On torsion of rectangular beams with holes at the centre, **Indian J. Pure and appl. Math., Delhi**, 22 (5), 1991, pp. 425-438. [ISSN(Print):0019-5588, ISSN(Electronic):0975-7465, I.F. 0.206]
2. Dinesh Kumar Madan, Nat Ram Garg, Sandhya Khurana and J.S. Nandal, Static deformation of differently coupled two orthotropic elastic half-spaces due to a very long vertical strike-slip dislocation, **Bull. Ind. Soc. Earth. Tech.**, 34(3), 1997, pp. 111-135.
3. Jagdish Singh and Manju Deswal, Rayleigh wave scattering due to impedance in the surface of a shallow ocean, **Bulletin of Pure and Applied Sciences**, 20 E(2), 2001, pp. 319-334.[ISSN(Print): 0970-6577, ISSN(Online): 2320-3226]
4. Jagdish Singh, On torsion of circular beams with holes at the centre, **Pure and Applied Mathematika Sciences**, LIV (1-2), 2001, pp. 39-53. [ISSN(Print):0379-3168]
5. Jagdish Singh, On Torsion of beams with parabolic end, **Bulletin of Pure and Applied Sciences**, 21E(No. 1), 2002, pp. 273-281 (Also published in **Proceeding of 46th International Conference of ISTAM, NIT, Hamirpur(HP)**, Dec. 19-22, 2001, pp. 210-218).
6. Jagdish Singh, On torsion of circular cylinders with grooves, **Pure and Applied Mathematika Sciences**, LV (1-2), 2002, pp. 41-57. [ISSN(Print):0379-3168]
7. Anil Kumar, Sarvajit Singh, and Jagdish Singh, Static deformation of two welded monoclinic elastic half-spaces due to a long inclined strike-slip fault, **Proc. Indian Acad. Sci. (Earth Planet. Sci.)**, Bangalore, 111(2), 2002, pp. 125-131.
8. Jagdish Singh, and Manju Deswal, Scattering of Rayleigh wave by a rigid plane strip at the bottom of a shallow ocean, **Ultra Science**, 15(1)M, 2003, pp.1-14. [ISSN(Print)-0970-9150]
9. Sarvajit Singh, Anil Kumar and Jagdish Singh, Deformation of a monoclinic elastic half-space by long inclined strike- slip fault, **ISET Journal of Earthquake Technology, IIT, Roorkee**, 40(1), 2003, pp. 51-59.
10. Baljeet Singh, Jagdish Singh and Ajay Kumar, Reflection of thermoelastic waves from free surface of a cracked solid half-space, **Bulletin of the Allahabad Mathematical Society**, 18, 2003, pp. 83-94. [ISSN:0971-0493]
11. Jagdish Singh, and Manju Deswal, Rayleigh waves scattering due to mountain of finite depth at the coastal region, **Indian J. Pure and appl. Math.**, Delhi, 34(5), 2003, pp. 785-797.[ISSN(Print):0019-5588, ISSN(Electronic):0975-7465, I.F. 0.206]
12. Jagdish Singh, On torsion of rectangular beams with edges, **Ultra Science**, 16(1) M, 2004, pp. 1-14. [ISSN(Print)-0970-9150]

13. Anil Kumar, Sarvajit Singh, and Jagdish Singh, Deformation of two welded elastic half-spaces due to a long inclined tensile fault, **J. Earth Syst. Sci., Bangalore**, 114, No.1, 2005, pp. 97-103.[ISSN(Print):0253-4126, ISSN(Electronic) :0973-774X, I.F. .794]
14. Jagdish Singh and Manju Deswal, Rayleigh wave scattering due to a rigid vertical barrier in the deep ocean, **Varahmihir Journal of Mathematical Sciences**, 5(1), 2005, pp. 145-152. [ISSN(Print):2161-1203, ISSN(Online):0972-7329, I.F. 0.24]
15. Baljeet Singh, Jagdish Singh and Ajay Kumar, Propagation of thermoelastic waves at a solid-solid interface in presence of cracks, **Indian J. Math., Allahabad**, 47, No.2-3, 2005, pp. 259-278.[ISSN:0019-5324]
16. Baljeet Singh, Ajay Kumar and Jagdish Singh, Reflection of generalized thermoelastic waves from a solid half-space under hydrostatic initial stress, **Applied Mathematics and Computation, UK**, 177, 2006, pp. 170-177. [ISSN:0096-3003, I.F. 1.600]
17. Jagdish Singh, and Manju Deswal, Scattering of Rayleigh wave by a rigid vertical barrier at the coastal region, **Varahmihir Journal of Mathematical Sciences**, 6(2), 2006, pp. 445-456. [ISSN(Print):2161-1203, ISSN(Online):0972-7329, I.F. 0.24]
18. Baljeet Singh, Jagdish Singh and Ajay Kumar, Reflection of thermal wave from a cracked generalized thermoelastic solid half-space, **Indian Journal of Mathematics**, Vol. 49, No. 3, 2007, pp. 323-342.
19. Jagdish Singh, Scattering of Rayleigh wave at the edge of pack-ice of finite width in shallow oceans, **Proceeding of National Conference on Advances in Mathematics and its Applications, NIT, Hamirpur (HP)**, December 19-21, 2008, pp. 118-126.
20. Anil Kumar and Jagdish Singh, Static deformation of an elastic half-space due to a long inclined strike-slip fault in monoclinic medium, **Proceeding of National Conference on Advances in Mathematics and its Applications, NIT, Hamirpur(HP)**, December 19-21, 2008, pp. 49-55.
21. Jagdish Singh, Rayleigh wave scattering due to pack-ice of finite extent in a shallow ocean, **Pure and Applied Mathematika Sciences**, LXIX (1-2), 2009, pp. 51-63.[ISSN(Print):0379-3168]
22. Jagdish Singh, On torsion of circular beams with edges, **Varahmihir Journal of Mathematical Sciences**, Vol. 9, No1&2, 2009, pp. 25-35. [ISSN(Print):2161-1203, ISSN(Online):0972-7329, I.F. 0.24]
23. Pushpander Kadian and Jagdish Singh, Propagation of Love waves through an irregular surface layer in the presence of finite rigid barrier, **International Journal of Applied Sciences**, 1(2), 2010, pp. 30-44.[ISSN:2180-1258]
24. Jagdish Singh and Rajbala Rathee, Analytical solution of two-dimensional model of blood flow with variable viscosity through an indented artery due to LDL effect in the presence

of magnetic field, **International Journal of Physical Sciences**, 5(12), 2010, pp. 1857-1868.

25. Pushpander Kadian and Jagdish Singh, Effect of size of barrier on reflection of Love waves, **Int. Journal of Engg. and Techonology**, 2(6), 2010, pp. 458-461. [ISSN:2227-524X, I.F. 0.847]
26. Sarva Jit Singh, Jagdish Singh and Meenal Malik, Deformation of a uniform half-space with rigid boundary due to a long tensile fault, **ISET Journal of Earthquake Technology**, IIT, Roorkee, 48, 2011, pp. 76-89.
27. Pushpander Kadian and Jagdish Singh, Propagation of Love waves through an irregular surface layer in the presence of an infinite rigid strip, **Asian Journal of Mathematics and Statistics**, 4(4), 2011, pp.200-213. [e-ISSN:2077-2068, p-ISSN:1994-5418]
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