

Curriculum Vitae

DR PANKAJ

<https://www.scopus.com/authid/detail.uri?authorId=53982009700>

<https://scholar.google.com/citations?user=Ems5RIEAAAIAJ>

https://www.researchgate.net/profile/Dr_Thakur6

B.Sc., M.Sc. (**Gold Medalist**), M. Phil. (**Gold Medalist**),

Ph.D., Life time Honorary Fellow Australian Institute of High Energetic Material (Monash University Australia)

Associate Professor, Faculty of Science and Technology, ICFAI University Baddi, Solan, Himachal Pradesh

Editor, Structural integrity and life (ESCI/Scopus Journal),

Editorial Board member International Journal of Biomedical Science and Engineering, New York, USA, Editorial Board member International Journal of Engineering & Technical Research, India, Editorial Board member American Open Applied Engineering Journal, New York, USA, Editorial Board member American Open Applied Science Journal, New York, USA, Editorial Board member American Open Agricultural Engineering Journal, New York, USA, Editorial Board member American Open Agricultural Science & Technology Journal, New York, USA, Editorial Board member American Open Aerospace Engineering Journal, New York, USA, Editorial Board member American Open Advanced Mechanics Journal, New York, USA, Editorial Board member American Open Applied Mathematics Journal, New York, USA, Editorial Board member American Open Materials Science Journal, New York, USA, Editorial Board member American Open Mechanical Engineering Journal, New York, USA, Editorial Board member American Open Mechanics Journal, New York, USA, Editorial Board member American Open Statistic and Mathematics Journal, New York, USA, Editorial Board member American Open Industrial Engineering Journal, New York, USA, Editor Time Journal of Engineering and Physical Sciences (TJEPS), Editor Zadeh Journal of Mathematics, India, Editorial Board member (IJMRS's) International Journal of Mathematical Modeling and Physical Sciences, India , Editorial Board member International Journals of Computer Science And Information Security (IJCSIS) Dubai, Editorial Board member World Journal of Mathematical Modeling and Applied Computing, Science and Technology Publishing, NY, USA, Editorial Board member Research Open Journal of Chemical Engineering and Materials Science, Science and Technology Publishing, NY, USA, Editorial Board member Research Open Journal of Engineering Studies, Science and Technology Publishing, NY, USA, Editorial Board member World Open Journal of Computer Engineering Research, Science and Technology Publishing, NY, USA, Editorial Board member Open Research Journal of Industrial & Production Engineering, Science and Technology Publishing, NY, USA, Editorial Board member International Research Open Journal of Advanced Mechanics, Science and Technology Publishing, NY, USA, Editorial Board member Research Open Journal of Advanced Mathematics and Physics, Science and Technology Publishing, NY, USA, Editorial Board member Global Open Research Journal of Mathematics, Science and Technology Publishing, NY, USA, Editorial Board member Open Research Journal of Fluid Dynamics, Science and Technology Publishing, NY, USA, Editorial Board member Research Open Journal of Composite Materials, Science and Technology Publishing, NY, USA, Editorial Board member World Open Journal of Advanced Mathematics, Science and Technology Publishing, NY, USA, Editorial Board member Research Open Journal of Metal and Steel Research Technology, Science and Technology Publishing, NY, USA, Editorial Board member Research Open Journal of Science and Technology, Science and Technology Publishing, NY, USA, Editorial Board member Global Open Journal of Applied Engineering Research, USA, Editorial Board member Research Open Journal of Mechanical Engineering, USA, Editorial Board member Global Open Journal of Aerospace Engineering, USA, Editorial Board member Research Open Journal of Mechanical Engineering, USA, Consulting Editors in ABC Journal of Advanced Research (ABC JAR), Editor of Journal Of Engineering Research & Publication Centre (JERPC), USA, Editorial Board member International Journal of Mathematics and Engineering Research (IJMER), Editorial Board member Wyno Academic Journal of Engineering and Technology Research, Editorial Board member Wyno Academic Journal of Physical sciences, Editorial Board member Engineering and technology research, Editorial Board member in International Journal of Humanities and Management Sciences (IJHMS), Editorial Board member of American Journal of Engineering Science and Technology Research (USA), Editorial Board member Academia Journal of Scientific Research (AJSR), Editorial board member Asian Academic Research Associate, Editorial board member Asian Journal of Applied Science and Engineering (AJASE), Editorial Board member IRED (Institute of Research Engineers and Doctors) Journals and Reviewer, Invited as Editor in Chief Pacific-Journal of Mathematical Science (PJMS) (Starts Jan. 2013), Invited as Guest editor International Journal of Mechanical Engineering (Vo. 2, Issue. 9), Editorial board member Journal of contemporary



issues in Business Research(JCIBR), Editorial board member British Journal of Engineering & Technology, United kingdom, Advisory board member Bioinfo Computational Mathematics Journal, Senior Member of Universal Association of Computer and Electronics Engineers, Editorial Board member journal of Chemical, Biological and physical Science(JCBPS), Editorial Board member in International Journal of Applied and Natural Sciences (IJANS) India, Editorial Board member in International Journal of Mathematics and Statistics (IJMS), India, Editorial Board member in Journal of Mathematics and Science (JMS) India, Editorial Board member in Transstellar Journal Publications & Research, India, Editorial board member Scientific Journal of Environment Sciences, Editorial board member of Research Bulletin of the Australian Institute of High Energetic Materials, Editorial Board member International Journal of Mechanics and Solids (IJMS) India, Editorial Board member Mechanics and Thermodynamic (IJMT) India, Editorial Board member International Journal of Advanced Mechanical Engineering (IJAME) India, Editorial Board member Advances in Applied Computational Mechanics (AACM) India, Editor Continental Journal of applied Science (Nigeria), Editorial board member in World Academy of Science Engineering and Technology Scientific and Technical Committee on Natural And Applied Science, Member in IST Press (A world of Sharing Science) and Reviewers (Canada), Member HiPEAC European Network of Excellence on High Performance and Embedded Architecture and Compilation (Europe), Editorial Board member in Scientific Journals International (USA), Member in International Association of Computer Science and Information Technology (IACSIT) Singapore, Reviewers in CST Journal (America), Reviewer in thermal science, international Scientific Journal (Serbia), Editorial board Member of African Journal of Biotechnology, Reviewers in Journal of portugaliae electrochimica acta, Reviewers Defence science Journal (India), Reviewers in Transstellar Journal Publications & Research (India), Reviewer in WSEAS Journal USA, Member in Research degree committee CMJ university, Editorial board member International Journals of The Institute of Research Engineers and Doctors- IRED, Editorial Board member in International Scientific Academy of Engineering & Technology, USA, Editorial Board member International Journal of Biomedical Science and Engineering USA, Editorial Board member International Journal of Innovation in science and Mathematics, Editorial Board member Review of Control Theory and Informatics, Pakistan. Working as Editor, IEC University International Journal of Engineering, Managements and Science.

Objective

To work for organizational growth and intend to build a career with leading corporate of hi-tech environment, by implementing my practical knowledge, which I gained during academics.

Personal Details

Name:	Dr Pankaj
Father's Name:	Sh. Balbir Singh
Permanent Address:	Village Tikker, Post office Bihru, Teh. Barsar, Distt. Hamirpur, Himachal Pradesh, India-176040
Corresponding Address:	Associate Professor, Department of Mathematics, Faculty of Science and Technology, ICFAI University Baddi, Distt Solan, India (H.P)-174103
Nationality:	Indian
Date of Birth:	15 August 1979
Marital Status:	Married
Language Known:	English, Hindi
E-mail:	pankaj_thakur15@yahoo.co.in, pankajdr1979@gmail.com, dr_pankajthakur@yahoo.com
Contact numbers:	+918570975865, +918569949428.

Achievements

- Merit Certificate in 10th class under National Scholarships Scheme.
- First Position in College in Math's during B.Sc. 3rd year.
- First Rank in class M. Sc. (Mathematics) Post Graduate centre Shimla during year 1999-2001.
- First Rank in M. Sc. (Mathematics) in H.P. University Shimla, 2001.
- First Rank in class M. Phil, 2002.

Academic Qualifications

Exam Passed	University / Institute	Year	Division	% age Of marks
Matriculation	H P Board	1994	First	72.4 % Merit position in First in Himachal Pradesh School education Board
B. Sc. (Non-Medical)	H P University, Shimla	1999	First	62.2 %
M. Sc. (Mathematics)	H P University, Shimla	2001	First	70.08 % First in Himachal Pradesh University Shimla
M. Phil.(Mathematics)	H P University, Shimla	2002	First	87 % First in Himachal Pradesh University Shimla
Ph.D. (Mathematics)	H P University, Shimla	Awarded 2007	Under supervision of Prof. S.K. Gupta (Assistant Professor University of Roorkee, 1977) Retired Professor Himachal Pradesh University Shimla, June 2006 <i>Abstract of the thesis Published</i> Indian Science Abstracts, National Institute of Science Communication and Information Resources (NISCAIR) , Vol. 44, No.13, July 1, 2008, pp. 012029, ISSN: 0019-6339.	
Honorary Fellow	Australian Institute of High Energetic Material, Monash University, Australia	Awarded	Years 2011 to till date	

Awards

- ❖ Certificate of Excellence in Reviewing awarded Journal of advances in mathematics and computer science, year 2017.
- ❖ Award HPU JRF, 2003-2007, India
- ❖ Award Major Research Project UGC India, 2014 for three years.
- ❖ Award for excellence in Research by Education expo TV Calcutta, Aug. 2014.
- ❖ Award Special mention certificate **Young Scientist award** by Education expo TV Bangalore, June 2013.
- ❖ Young Faculty Award by, Education Expo TV Noida, May 2013.
- ❖ Apperotation Award presented by Indus International University Bathu 2013.
- ❖ Best Teacher awarded IEC University, 2014.
- ❖ Award Gold Medal in M.Sc. Mathematics (2001).
- ❖ Awards Gold Medal in M.Phil. Mathematics, 2002, Himachal Pradesh University Shimla.
- ❖ Nominated Top 100 Educators - 2012", International Biographical Centre (IBC),Cambridge, England.
- ❖ Nominated Man of the year 2012 for professional excellence, American Biographical institute, USA.
- ❖ Nominated include reference International Dictionary of Professional, 2012, American Biographical institute, USA.

Scholarships

- ❖ National Scholarships in Matriculation.
- ❖ Himachal Pradesh University Junior Research Fellow in M. Phil.

- ❖ Himachal Pradesh University Junior Research Fellow in Ph.D.

Honors

- ❖ Life time **Honorary Fellowship** Australian Institute of High Energetic Materials, Monash University, Australia, 2011.
- ❖ **Guest of Honors** presented by R.R Bawa DAV College for girls Batala, Punjab on National Seminar on **Advanced Mathematics: Its Implications in Modren Era**, UGC Sponsored, 25th February, 2012.
- ❖ **Guest of Honors**, Rayat Bhara Institute of Engineering and Nano-technology, Hoshiarpur for Faculty development Program, Sponsored by Punjab Technical University Jalandhar, 2012.
- ❖ Honors to be on the Editorial Board Member of International Academy of Science, Engineering and Technology's Research Forum , USA & INDIA, 2012.

Title of thesis's

- ❖ **Master of Philosophy:** Elastic - plastic Rotating Disc with rigid inclusion under Steady - State Temperature.
- ❖ **Doctor of Philosophy Ph.D.:** Some Problems in Elastic- Plastic and Creep Transition.
- ❖ **Doctor of Science :** Problems in Elastic - Plastic and Creep Transition in a thin rotating disc

Area of Interests

- ❖ Applied Mathematics, Solid Mechanics, Elastic, Plastic, Creep, Thermal Stresses, Material science

Area of Teaching Mathematics

- ❖ Solid mechanics, Engineering Mathematics, Differential Equation, Differential Geometry, Matrices. Numerical analysis, Business mathematics

Research Guidance

- **M.Phil. Degree:** 15 completed
- **M.Sc. Degree:** 05 completed
- **Ph.D. Degree:** (03 as Co-Guide + 01 as Guide + 01 as Mentor) Completed + 01 pursuing

List of candidates supervised and co-supervised in M. Phil. Degree

- ✚ Vikas Verma, Problem in creep transition in a thin Rotating Disc with rigid Inclusion, **Periyar University**, 2007, (as Co-supervised).
- ✚ Sonia Rani, Problem of Creep Transition in a Thin Rotating Disc having variable density with Inclusion, **Chaudhary Devi Lal University**, 2007(as Co-supervised).
- ✚ Sanjay Kumar, Problem in Elastic-Plastic Transition in a Thin Rotating Disc with Inclusion, **Vinayaka Mission University**, 2008. (as supervised).
- ✚ Lalit Kumar Gandhi, Problem of Elastic - plastic Transition in an isotropic disc having variable thickness subjected to internal pressure, **Vinayaka Mission University**, 2008, (as supervised).
- ✚ Desh Raj, Problem in Thermo Elastic-Plastic Transition in a Thin Rotating Disc with Inclusion, **Annamalai University**, Directorate of Distance Education, Annamalainagar, 2008, (as co-supervised).
- ✚ Vijay Kumar, Problem in Elastic-Plastic Transition in a Thin Rotating Disc having variable density with Inclusion, **Vinayaka Mission University**, 2009, (as supervised).
- ✚ Renuka Sharma, Elastic-plastic transition in a thin rotating disc with inclusion by finite deformation under steady state temperature, **Vinayaka Mission University**, 2009, (as supervised).
- ✚ Kulwant Singh, Elastic-plastic transition stresses in an isotropic disc subjected to internal pressure, **Vinayaka Mission University**, 2009.

- ✦ Himanshu Dutt, Fabrication of thin films in ferrite research, *Vinayaka Mission University*, 2009, (as supervised).
- ✦ Pankaj, Elastic-plastic transition stress in a thin rotating disc having variable density with rigid inclusion, *Vinayaka Mission University*, 2009 (as Supervised).
- ✦ Arun Kumar Chauhan, Behavioural study of schottky diodes for barrier in homogeneities under simulated condition *Vinayaka Mission University*, 2010 (as Supervised).
- ✦ Sushma Kumari, Study of Evaporation of light particle in fusion reactions under high excitation and angular momentum, *Vinayaka Mission University*, 2010 (as Supervised).
- ✦ Sushil Parsad, Numerically study of stresses in a Disc and cylinders, CMJ University, awarded 2012(as supervised).
- ✦ Suresh Kumar, Study of stresses in a disc with rigid inclusion, CMJ University, awarded 2012 (as supervised).

List of candidates supervised M. Sc. Degree dissertation

- ✦ Komal, Numerical study of disc with inclusion, Reg. No.: H13IECCMM001, awarded June 2015.
- ✦ Nitin Sharma: Analysis of creep transitional stresses of orthotropic thick-walled cylinder subjected to combined axial load under internal pressure, Reg. No.: H13IECCMM002, awarded June 2015.
- ✦ Deepali Thakur: Numerical study of stresses in a thin rotating disc with shaft by infinitesimal deformation under steady state temperature, Reg. No.: H13IECCMM003, awarded June 2015.
- ✦ Madhu Gupta: Numerical study of elastic-plastic deformation in a solid disk with mechanical load, Reg. No.: H13IECCMM004, awarded June 2015.
- ✦ Vandana, Numerical study of elastic-plastic infinitesimal deformation in solid disk, Reg. No.: H13IECCMM004), awarded June 2015.

List of candidates supervising/ co-supervising Doctor of Philosophy

S. N.	Name of Candidates	Topic	University	Registration Number	Role	Status
1	Dr. Jatinder Kaur	Elastic-plastic and creep problems in disc	Punjabi University Patiala, Punjab NAAC A graded	CGC(R)2001-50	Co-supervisor	<i>Thesis Awarded 25 July, 2017</i> Paper Published: 07 {01 (SCIE) + 02(ESCI) + 02(Zoological records) Thomson master Journal Lists} + 01(Scopus) + 01 (Elsevier Proceeding Conference)
2	Dr. Nishi Gupta	Modeling Of Creep In composite Structures Subjected To Thermal Gradients	Punjabi University Patiala, Punjab NAAC A graded	2012-06-03	Co-supervisor	<i>Thesis Awarded 03 March , 2018</i> Paper Published Paper Published: 07 {01 (SCIE) + 02(ESCI) + 02 (Zoological records) Thomson master Journal Lists} + 02(Scopus)
3	Dr Suresh Kumar	Analytical study of thermal stresses in the disc for isotropic material	IKG Punjab Technical University, Punjab	1212029	Co-supervisor	<i>Thesis Awarded: 12 April, 2018</i> Paper Published: 04 {02 (ESCI) + 01 (Zoological records) Thomson master Journal Lists} + 01 (index)
4	Dr. Gaurav Verma	Some solutions based on elastic, plastic and creep transition in homogeneous and non-homogeneous shells.	IKG Punjab Technical University, Punjab	1213017	Mentor	<i>Thesis Awarded: November, 2017</i> Paper Published: 01 {01 (SCIE) + 03 (ESCI)+ 01 (Zoological

						records) Thomson master Journal Lists} + 01 (index)
5	Dr Sandeep Kumar	Elastic-plastic and Creep transitional problems for transversely isotropic materials in disc	Mahatma Gandhi University , Meghalya	MGU0813RP29206 1	supervisor	Thesis Submitted: April, 2018 Viva: June 2018 Paper Published <i>Paper Published: 04</i> { 02 ESCI + 02(index Journals)
4	Mr Shivdev Shahi	Modeling the deformation behavior of some structural components	Punjabi University Patiala, Punjab NAAC A graded	16275	Co-Supervisor	Research topic: Approved Paper Published: 01 01 (Scopus)

Details of Research Ph.D. Scholars

Candidate Name: Dr. Jatinder Kaur

Topic Ph.D. thesis: Elastic-plastic and creep problems in disc.

Thesis Awarded: 25 July, 2017

University: Punjabi University Patiala, Punjab (NAAC A graded)

Role: Co-supervisor

Lists of Publications Ph.D. Thesis:

- Thermal creep transition stresses and strain rates in a circular Disc with shaft having variable density, *Engineering Computations*, United Kingdom, Vol.33, Issue 3, 2016, pp. 698-712.
(SCIE/ SCOPUS, Impact Factor: 1.23)
- Thickness variation parameter in thin rotating disc, *FME Transaction*, Vol. 41, No. 2, pp. 96-102, 2013
(ESCI/ SCOPUS, Scopus impact cite factor: 0.98)
- Elastic-Plastic Transitional Stresses in a Thin Rotating Disc With Shaft Having Variable Thickness Under Steady State Temperature, *Structural Integrity and Life* , Serbia, Vol. 13, issue 2, pp. 109-116, 2013.
(ESCI/ SCOPUS, Scopus impact cite: 0.67)
- Mathematical Model in a thin Non- Homogeneous Rotating disc for isotropic material with rigid shaft by using Seth's Transition theory, *Kragujevac Journal of Science*, Serbia, Vol. 37, pp. 11-22, 2015.
(Thomson master Journal Lists index in Zoological Record)
- Elastic-plastic transitional stress in a thin rotating disc with shaft having variable thickness under steady state temperature, *Kragujevac Journal of Science*, Serbia, Vol. 36, pp. 5-17, 2014.
(Thomson master Journal Lists index in Zoological Record)
- Steady thermal stresses in a thin rotating disc of finitesimal deformation with edge loading, *Journal of Solid Mechanics*, Iran, Vol. 8, No. 1, pp. 204, 211, 2016.
(SCOPUS, Scopus impact cite factor: 0.56)
- Transitional stresses analysis in thin Rotating Disc for different Materials, *Proceeding of International Conference on information and Mathematical Sciences*, USA, Elsevier Science : Technology, pp. 427-430, 2013, ISBN: 9789351071624.
(Indexed in: Scopus in Elsevier Science & Technology database)

Candidate Name: Dr. Nishi Gupta

Topic Ph.D. thesis: Modeling Of Creep In composite Structures Subjected To Thermal Gradients.

Thesis Awarded: February, 2018

University: Punjabi University Patiala, Punjab (NAAC A graded)

Role: Co-supervisor

Lists of Publications Ph.D. Thesis:

- Creep strain rates analysis in cylinder under temperature gradient materials by using Seth's theory, *Engineering Computations*, Vol. 34, No.3, United Kingdom, 2017, pp. 1031 -1041.
(SCIE/ SCOPUS, Impact Factor: 1.23)
- Mathematical method to determine thermal strain rates and displacement in a thick-walled spherical shell, *Structural Integrity and Life*, Vol. 16, Issue No. 2, 2016, pp. 99-104.
(ESCI/ SCOPUS, Scopus impact cite factor: 0.67)
- Creep modeling in a composite rotating disc with variable thickness variation in the presence of residual stress, *Structural Integrity and Life*, Vol. 16, No. 2, 2016, pp. 105-112.
(ESCI/ SCOPUS, Scopus impact cite: 0.67)
- Thermal effect on the creep in a rotating disc by using sherby's law, *Kragujevac Journal of Science*, Vol. 39, 2017, pp. 17 -26. (Thomson master Journal Lists index in Zoological Record)
- Determine variation of Poisson ratios and thermal creep stresses and strain rates in an isotropic Disc, *Kragujevac Journal of Science*, Vol. 38, 2016, 15- 28
(Thomson master Journal Lists index in Zoological Record)
- Effect of thermal gradient on the creep on a rotating disc, *Journal for Technology of Plasticity*, Vol. 41, Number 1, pp. 13-25, 2016 (SCOPUS)
- Effect of mechanical load and thickness profile in a rotating disc by using Seth's transition theory, *AIP Conf. Proceeding*, Vol. 1859, issue 1, pp. 020024, USA, 2017.
(SCOPUS, Scopus impact cite: 0.31)

Candidate Name: Dr. Suresh Kumar

Topic Ph.D. thesis: Analytical study of thermal stresses in the disc for isotropic material.

Thesis Awarded: March, 2018

University: I.K. Gujral Punjab Technical University Jalandhar, Punjab

Role: Co-supervisor

Lists of Publications Ph.D. Thesis:

- Creep stresses in a rotating Disc having variable density and mechanical load under steady-state temperature, *Structural Integrity and Life*, Vol. 17, issue 2, 2017, pp. 97-104.
(ESCI/ SCOPUS, Scopus impact cite factor: 0.67)
- Effect of density variation parameter in an isotropic solid Disk, *Structural Integrity and Life*, Vol. 17, No.3, pp. 143-148, 2016.
(ESCI/ SCOPUS, Scopus impact cite factor: 0.67)
- Steady Thermal Stresses in Solid Disk under heat generation subjected to variable Density, *Kragujevac Journal of Science*, Vol. 38, 2016, pp. 5-14.
(Thomson master Journal Lists index in Zoological Record)
- Mechanical Load in a circular rotating Disk With Shaft For Different Materials Under Steady-State Temperature, *Scientific Technical Review*, Vol. 65, No. 1, 2015, pp. 36-42.
(Index in Serbian citation index)

Candidate Name: Dr. Gaurav Verma

Topic Ph.D. thesis: Analytical study of thermal stresses in the disc for isotropic material.

Thesis Awarded: Nov., 2017

University: I.K. Gujral Punjab Technical University Jalandhar, Punjab

Role: Mentor

Lists of Publications Ph.D. Thesis:

- **Pankaj Thakur**, Gaurav Verma, D. Pathania, S.B. Singh, Thermal Creep stress and strain analysis in Non-homogeneous Spherical shell, *Journal of Theoretical and Applied Mechanics*, Warsaw University of Technology Poland, Vol. 55, No. 4, 2017, pp. 1155-1165. **(SCIE/ SCOPUS)**
- **Pankaj Thakur**, Gaurav Verma, D. Pathania, S.B. Singh, Elastic-Plastic stress analysis in a Spherical Shell under internal pressure and steady state temperature, *Structural Integrity and Life*, issue 1, Vol. 17, 2017, pp. 39-43. **(ESCI/ SCOPUS)**
- **Pankaj Thakur**, Gaurav Verma, D. Pathania, thermal creep analysis in non-homogeneous spherical shell, *Structural Integrity and Life*, Vol. 17, issue 2, 2017, pp. 89-95. **(ESCI/ SCOPUS)**
- **Pankaj Thakur**, D.S. Pathania, Gaurav, S.B. Singh, Non-homogeneity effect in the spherical shell by using Seth's theory, *Structural Integrity and Life*, Vol. 17, issue 3, 2017, pp. 177-182. **(ESCI/ SCOPUS)**
- **Pankaj Thakur**, Gaurav Verma, D. Pathania, S.B. Singh, Elastic-plastic Transition on rotating spherical shells in dependence of compressibility, *Kragujevac Journal of Science*, Vol. 39, 2017, pp. 5 -16. **(Zoological Record)**

Candidate Name: Dr. Sandeep Kumar

Topic Ph.D. thesis: Elastic-plastic and Creep transitional problems for transversely isotropic materials in disc.

Thesis Submitted: May, 2018

University: Mahatma Gandhi University, Meghalaya

Role: Supervisor

Lists of Publications Ph.D. Thesis:

- Stress Evaluation in a transversely isotropic circular disk with an inclusion, *Structural Integrity and Life*, Vol. 16, Issue No. 3, 2016, pp.155-160 **(ESCI/ SCOPUS, Scopus impact cite factor: 0.67)**
- Creep transition of a transversely isotropic disc having variable thickness under internal pressure accepted for publication *Structural Integrity and Life*, issue 1, Vol. 18, 2018 **(ESCI/ SCOPUS, Scopus impact cite factor: 0.67)**
- Effect of Transversely material in a disc with inclusion and subjected to load, *International Journal of Electro Mechanics and Mechanical Behavior*, Volume 2 Issue 1, 2016.,pp. 1-8. **(Index : Google scholar)**
- Analysis of stresses in a Transversely Isotropic Thin Rotating Disc with rigid inclusion having variable density parameter, *JSTP Open e-journal*, China, Vol. 9, No. 1, pp. 1-13, 2013. **(Index : Google scholar/ Japan Society for Technology of plasticity)**

Candidate Name: Mr. Shivdev Shahi

Topic Ph.D. thesis: Modeling the deformation behavior of some structural components

Thesis status: ongoing

University: Punjabi University Patiala, Punjab (NAAC A graded)

Role: Co-supervisor

Lists of Publications Ph.D. Thesis:

- Effect of mechanical load and thickness profile in a rotating disc by using Seth's transition theory, *AIP Conf. Proceeding*, Vol. 1859, issue 1, pp. 020024, USA, 2017.

- Modeling creep parameter in discs made of transversely isotropic and isotropic materials subjected to shaft, in review *Journal of Theoretical and Applied Mechanics*, Poland, 2018. (SCOPUS, Scopus impact cite: 0.31)
- Elastic - plastic distribution in a rotating disc with rigid inclusion and having thickness and density profile in review *Iranian Journal of Science and Technology, Transactions of Electrical Engineering*, Springer, 2018. (SCIE/ SCOPUS, Impact Factor: 0.69)

Research Project Details

Title of Research Project : Elastic-plastic and creep analysis problems in disc
Role: working as co-investigator/ Investigator Professor S.B. Singh, Department of Mathematics
University: Punjabi University Patiala, Punjab (NAAC A graded)
Funding Agencies: UGC
Scheme: Major Research Project
Research Fellow: Mr. Shivdev Shahi
Status: ongoing
Lists of Publications Project:

- Thermo elastic-plastic deformation in a solid disk with heat generation subjected to pressure, *Structural Integrity and Life*, Vol. 15, Issue No. 3, pp. 135-142, 2015. (ESCI/ SCOPUS, Scopus impact cite factor: 0.67)
- Mechanical Load in a circular rotating Disk With Shaft For Different Materials Under Steady-State Temperature, *Scientific Technical Review*, Vol. 65, No. 1, 2015, pp. 36-42. (Index in Serbian citation index)
- Satya Bir Singh, Pankaj Thakur, Infinitesimal deformation in a solid Disk by using Seth's transition theory, *International Journal of Electro-mechanics and Mechanical Behavior*, Vol. 1, Issue 1, pp. 1-6, 2015. (Index : Google scholar)
- *Pankaj Thakur*, S. B. Singh, Elastic-plastic transitional stresses distribution and displacement for transversely isotropic circular disc with inclusion subject to mechanical load, *Kragujevac Journal of Science*, Vol. 37, 2015 pp. 23-33. (Thomson master Journal Lists index in Zoological Record)
- Determine variation of Poisson ratios and thermal creep stresses and strain rates in an isotropic Disc, *Kragujevac Journal of Science*, Vol. 38, 2016, 15- 28 (Thomson master Journal Lists index in Zoological Record)
- Steady Thermal Stresses in Solid Disk under heat generation subjected to variable Density, *Kragujevac Journal of Science*, Vol. 38, 2016, pp. 5-14. (Thomson master Journal Lists index in Zoological Record)
- Effect of mechanical load and thickness profile in a rotating disc by using Seth's transition theory, *AIP Conf. Proceeding*, Vol. 1859, issue 1, pp. 020024, USA, 2017. (SCOPUS, Scopus impact cite: 0.31)
- Modeling creep parameter in discs made of transversely isotropic and isotropic materials subjected to shaft, in review *Journal of Theoretical and Applied Mechanics*, Poland, 2018. (SCIE/ SCOPUS, Impact Factor: 0.69)
- Elastic - plastic distribution in a rotating disc with rigid inclusion and having thickness and density profile in review *Iranian Journal of Science and Technology, Transactions of Electrical Engineering*, Springer, 2018. (SCIE/ SCOPUS, Impact Factor: 0.69)

Organized Seminar University

- ✦ Seminar on Recent Trends in solid Mechanics & Functional Analysis', Department of Mathematics, Indus International University Una, 12 Dec. 2011 (as a Coordinator).
- ✦ Organized a two day workshop in electrical engineering application, Indus International University Una, 2012 (as a Coordinator).

Research Publication

S.N.	Thomson Master Journal List		Scopus	Index Journals	Others Abstracts Publication	Proceeding Book Chapters
	SCI/SCIE/ESCI	Zoological Records				
1	34+2*	08	12+1*	23	19	02
Totals:			57(SCIE + ESCI+ Scopus)+03*(in review) +22 (index journal)+ 19(abstracts) = 101			
<i>Journals name</i>						
	Name of Journal paper published	Index	Impact factor	Publisher's		
1	Journal of Theoretical and Applied Mechanics	Science Citation Index Expanded/ Journal Citation Reports/Science Edition/SCOPUS	Journal Citation Reports Impact Factor 2017 = 0.783 Scopus:0.81(cite score) 2017	Polish Society of Theoretical and Allied Mechanics /Ministry of Science and Higher Education of Poland		
2	Thermal Science	Science Citation Index Expanded / Journal Citation Reports /SCOPUS	Journal Citation Reports Impact Factor 2017 = 1.431 Scopus:1.03(cite score) 2017	Vinca Inst Nuclear Sci		
3	Engineering Computations	Science Citation Index Expanded/SCOPUS	Journal Citation Reports Impact Factor 2017 = 1.177. Scopus:1.23(cite score) 2017	Emerald Group Publishing Ltd.		
4	Proceedings of the National Academy of Sciences India Section A - Physical Sciences	Science Citation Index Expanded/SCOPUS	Journal Citation Reports Impact Factor 2017 = 0.754. Scopus:0.72(cite score) 2017	Springer India		
5	Defence Science Journal	Science Citation Index Expanded/SCOPUS	Journal Citation Reports Impact Factor 2017 = 0.510. Scopus:0.67(cite score) 2017	Defense Scientific Information and Documentation Centre		
6	Facta Universities Series: Mechanical engineering	Emerging Science Citation Index /SCOPUS	Scopus:1.0199(cite score) 2017	University of Nis		

7	FME Transaction	Emerging Science Citation Index /SCOPUS	Scopus:0.98(cite score) 2017	Faculty of Mechanical Engineering, Belgrade University
8	Structural Integrity and Life	Emerging Science Citation Index /SCOPUS	Scopus:0.67(cite score) 2017	Society for Structural Integrity and Life
9	AIP Conf. Proceeding	SCOPUS	Scopus:0.3(cite score) 2017	American Institute of Physics
10	Kragujevac Journal of Science	SCIndeks, Zoological records	--	Faculty of Science, University of Kragujevac
11	Journal of Solid Mechanics	SCOPUS	Scopus:0.53(cite score) 2017	Islamic Azad University-Arak Branch
12	Journal for Technology of Plasticity	SCOPUS	--	Versita
13	International Journal of Applied Mechanics and Engineering	SCOPUS	Scopus:0.33(cite score) 2017	de Gruyter
14	International journal of Physical Science	SCOPUS	---	Academic Journals
15	Wseas transactions on applied and theoretical mechanics	SCOPUS	Scopus:0.53(cite score) 2017	World Scientific and Engineering Academy and Society
16	World Academy of Science Engineering and Technology	SCOPUS	---	World Academy of Science Engineering and Technology
17	International Journal of Applied and Computational Mathematics	Zentralblatt Math/ Mathematical Reviews	--	Springer
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1. **Pankaj Thakur, Satya Bir Singh**, Problem in Elastic-Plastic and Creep Transitional Stresses in Disc, *Springer Publisher*, 2016 (in a press for publication).
2. **Dr Pankaj**, Some problem in Elastic –plastic and Creep transition stresses in Mechanical Engineering, LAP Publication Germany, 2010, **ISBN: 978-3-8383-8985-1**, pp. 1-105.
3. **Dr Pankaj**, Cylindrical and spherical Problems in Mechanical Engineering, VDM publication, Germany, 2010, **ISBN: 978-3-639-28629-8**, pp. 1-45.
4. **Pankaj Thakur**, Thermal Stresses Problems in Mechanical Engineering, LAP Lambert Academic Publishing, Germany, **ISBN: 978-3-8464-3648-3**, pp.1-96, 2011.
5. **Pankaj Thakur**, Research Problems in Mechanical Engineering, LAP Lambert Academic Publishing, Germany, **ISBN: 978-3-8465-5127-1**, pp.1-85, 2012.
6. **Pankaj Thakur**, Research Problems in Rotating Disc, LAP Lambert Academic Publishing, Germany, **ISBN: 978-3-8484-2112-1**, pp.1-85, 2012.
7. **Pankaj Thakur**, Edited books Numerical Analysis and Computer Programming, Eagle's Parakshan, ISBN: 978-93-82369-43-1, 2013.

Invited Lectures / Chairmanships at National/ International Conference/Seminar/Faculty Development Programme

1. **Invited as Key Resource Person** on topic Advanced Mathematics: Its Implications in Modern Era, National Seminar on "Advanced Mathematics: Its Implications in Modren Era", UGC Sponsored, 25th Febrauary, 2012.
2. **Invited as Key Resource Person (Guest Lecturer)** on topic Use Mathematical Modelling in Mechanical Engineering Application, Faculty Development Program, Rayat Bhara Institute of Engineering and Nano-technology, Hoshiarpur, Punjab, Sponsored by Punjab Technical University Jalandhar, 18-22 June 2012

Computer Knowledge: Basic knowledge in M.S. word and Excel, graphical programming.

Teaching Experience: Ten years.

Research Experience: Twelev Years .

Particular of Employment

1. Research/ Teaching Fellow, (2 Yrs.), Department of Chemistry, H.P.U. Shimla, June 2002- Dec. 2002, June 2003- Dec. 2003, June 2004- Dec. 2004, June 2005- Dec. 2005.
2. Lecturer, (2 Yrs.), R.K.M.V. Shimla, Jan. 2006- Dec. 2007.
3. Assistant Prof., (1 Yrs), I.I.T.T College of Engineering Punjab, Jan. 2008- Dec. 2008.
4. Sr. Lecturer, (6 months), L.P.U. Jalandhar, Jan. 2009- June 2009.
5. Assistant Prof. & HOD (2.1 Yrs), MIT College of Engineering Hamirpur, 1 July 2009 to 20, July 2011.
6. Sr. Assistant Professor (2 Years and 03 Months, Indus International University, Una, H.P., 1 Aug. 2011 to 08 Nov. 2013.
7. Associate Professor on 09 Nov., 2013 to 11 Aug., 2016, IEC University Baddi Solan, Himachal Pradesh.
8. Working as Associate Professor on 12 Aug., 2016 to till date ICFAI University Baddi Solan, Himachal Pradesh.

Administration Responsibility

- ✦ Head, Department of Applied Mathematics, July 2009 – Aug 1, 2011(MIT college of Engineering and management Bani, Hamirpur, Himachal Pradesh).
- ✦ Departmental In charge (Head) & Research Coordinator, Department of Mathematics, Indus Applied Mathematics, 1 Aug., 2011 to 08 Nov. 2013.
- ✦ Dean Research and Development Department, August 2013 to Nov. 08, 2013 at Indus International University Una, Himachal Pradesh.
- ✦ Head Research and Development Cell & Head Department of Mathematics, IEC University Nov. 09, 2013 to 11, Aug., 2016.
- ✦ Associate Professor, Faculty of Science and technology, ICFAI University baddi, 12, Aug., 2016 to till date.

Research Committee Member

- ✦ Member in Departmental Research Degree committee *Punjabi University Patiala* since 2013 to till date.
- ✦ Member in Research Degree committee, *Punjab Technical University Jalandhar* since 2014 to till date.
- ✦ Coordinator Research and development cell, *IEC University Badii*, Solan, Himachal Pradesh, India, Nov. 2013 to Aug., 2016.
- ✦ Member in Research Degree committee *Mahatma Gandhi university Meghalaya* since 2013 to till date.
- ✦ Advisor member *Mahatma Gandhi university Meghalaya* for M.Phil./Ph.D. Degree Courses.
- ✦ Appointed as external examination for B.Tech. Practical and Viva –Voce examination May, 2013, Himachal institute of engineering and Technology, Himachal Pradesh Technical University, Hamirpur.
- ✦ Member of Academic counsel *IEC University*, Nov. 2013-2016.

Short term course

S No	Course Title	Duration	Organizing Institute	Dates
1	Orientation Programs for Technical Teachers	1 Week	NIT Hamirpur	June 29- July 3, 2009
2	VLSI Design and Optimization	1 Week	NIT Hamirpur	July 6-July 10, 2009
3	Application in Engineering in	1 Week	NIT Hamirpur	Dec.18- Dec. 22,

	MATLAB			2009
4	Laser Technology	1 week	NITTTR Chandigarh	16 Jan. 2012 to 20, Jan. 2012

Associate Editors/Editor/Editorial Board Member International/National Journals

- ✦ Editorial Board member Structural integrity and life (Scopus Journal),
- ✦ Editor Open Science Journal of Mathematics and Application.
- ✦ Editor American Journal of Mechanical Engineering and Automation.
- ✦ Editor in Continental Journal of applied Science, Nigeria, ISSN: 1597-894X.
- ✦ Editorial Board member in WASET Scientific and Technical Committee on Natural and Applied Science.
- ✦ Editorial Board member in IST Press (A world of Sharing Science) and Reviewers, Canada.
- ✦ Editorial Board member in HiPEAC European Network of Excellence on High Performance and Embedded Architecture and Compilation, Europe.
- ✦ Editorial Board member of Scientific Journals International, USA.
- ✦ Member in International Association of Computer Science and Information Technology (IACSIT) Singapore.
- ✦ Editorial board Member of African Journal of Biotechnology.
- ✦ Editorial Board member International Journal of Mechanics and Solids (IJMS) India, ISSN: 0973-1881.
- ✦ Editorial Board member International Journal of Mechanics and Thermodynamic (IJMT) India, ISSN 2278-361X.
- ✦ Editorial Board member International Journal of Advanced Mechanical Engineering (IJAME) India, ISSN No. 2250 - 3234.
- ✦ Editorial board member of Research Bulletin of the Australian Institute of High Energetic Materials, Australia.
- ✦ Editorial Board member Advances in Applied Computational Mechanics (AACM) India, ISSN 2249-4278.
- ✦ Editorial Board member Scientific Journal of Environment Sciences.
- ✦ Editorial Board member International Journal of Agriculture Innovations and Research, India, ISSN : 2319-1473
- ✦ Editorial Board member in International Journal of Applied and Natural Sciences (IJANS) , India, ISSN (Print): 2319-4014, ISSN(online): 2319-4022.
- ✦ Editorial Board member in Journal of Mathematics and Science (JMS), India.
- ✦ Editorial Board member in International Journal of Applied Mathematics & Statistical Sciences (IJAMMS), India, ISSN(Print): 2319-3980, ISSN (online): 2319-3980.
- ✦ Editor in journal of Chemical, Biological and physical Science(JCBPS),India E-ISSN: 2249-1929
- ✦ Senior Member of Universal Association of Computer and Electronics Engineers, Australia, Membership no. (SNM1002964), 2012.
- ✦ Advisory board member Bioinfo Mechanical engineering Journal, **India**, ISSN : 2277-3738 & E-ISSN : 2277-3746 , Membership No: 240137F18A.
- ✦ [Guest editor International Journal of Mechanical Engineering \(IJME\), Volume 2, Issue 9, 2012, ISSN: 2277-7059.](#)
- ✦ Editorial board member British Journal of Engineering & Technology, United kingdom, ISSN: 2326-425X.
- ✦ Invited as Editor in Chief Pacific-Journal of Mathematical Science (PJMS) (Starts Jan. 2013)
- ✦ Editorial board member/Reviewer Board member Journal of contemporary issues in Business Research(JCIBR), Pakistan, ISSN 2305-8277.
- ✦ Member in Ph. D. Committee, Indus International University Bathu, Una, Himachal Pradesh, India.
- ✦ Editorial Board member IRED (Institute of Research Engineers and Doctors) Journals, Australia.
- ✦ Editorial board member [Asian Journal of Applied Science and Engineering \(AJASE\)](#), Bangladesh, ISSN 2305-915X.
- ✦ Editorial board member Asian Academic Research Associate, Asia, ISSN: 2278-859X (Online), ISSN: 2319-2801 (Online) .
- ✦ Editorial Board member Academia Journal of Scientific Research (AJSR), England, ISSN 2315-7712.
- ✦ Editorial Board member of American Journal of Engineering Science and Technology Research (AJESTR),

USA.

(<http://www.ajestr.com/Editorial%20Board.php>)

- # Editorial Board member International Journal of Agriculture Innovations and research, ISSN: 2319-1473.
- # **Editorial Board member** in International Journal of Humanities and Management Sciences (IJHMS), ISSN 2320 –4036 (Printed Version) ISSN 2320 –4044 (Online Version).
- # Member in International Journal of Applied and Natural Sciences (IJANS) India, **ISSN(Print):** 2319-4014 ; **ISSN(Online):** 2319-4022.
- # **Associate Editor**, International Journal of Mechanics and Thermodynamics, **ISSN 2278-361X**.
- # Editorial Board member Scientific Journal of Agriculture
- # Editorial Board member Scientific Journal of Review
- # Editorial Board member Scientific Journal of Nanoscience Scientific Journal of Astronomy
- # Editorial Board member Scientific Journal of Civil Engineering & Architecture
- # Editorial Board member Scientific Journal of Computer Engineering
- # Editorial Board member Scientific Journal of Earth Science
- # Editorial Board member Scientific Journal of Pure & Applied
- # Editorial Board member in [Transstellar Journal Publications & Research](#) Scientific
- # Editorial Board member Journal of Education Scientific Journal of Engineering
- # Editorial Board member Scientific Journal of Material Science
- # Editorial Board member Scientific Journal of Mathematics & Statistics
- # Editorial Board member Scientific Journal of Physics , [India](#).
- # Editorial Board member Wyo Academic Journal of Physical sciences, Feb. 2013.
(http://www.wyoacademicjournals.org/editors_phy.html)
- # Editorial Board member Wyo Academic Journal of Engineering and Technology Research, Feb. 2013.
(http://www.wyoacademicjournals.org/editors_engineering.html)
- # Editorial Board member International Journal of Mathematics and Engineering Research (IJMER).
- # Editorial Board member Engineering and technology research, Feb. 2013.
- # Appointment as Editor of Journal Of Engineering Research & Publication Centre (JERPC).
(<http://jetpublishing.org/ERPC/board.html>)
- # Consulting Editors in ABC Journal of Advanced Research (ABC JAR) (<http://abcjar.weebly.com/editorial-board.html>).
- # Editorial Board member Global Open Journal of Applied Engineering Research, Science and Technology Publishing, NY, USA.
<http://www.scitecpub.com/Global%20Open%20Journal%20of%20Applied%20Engineering%20Research/Editorial%20Board.php>)
- # Editorial Board member Research Open Journal of Mechanical Engineering, Science and Technology Publishing, NY, USA.
(<http://www.scitecpub.com/Research%20Open%20Journal%20of%20Mechanical%20Engineering/Editorial%20Board.php>)
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(<http://www.scitecpub.com/Global%20Open%20Journal%20of%20Aerospace%20Engineering/Editorial%20Board.php>)
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(<http://www.scitecpub.com/Research%20Open%20Journal%20of%20Mechanical%20Engineering/Editorial%20Board.php>).
- # Editorial Board member World Journal of Mathematical Modeling and Applied Computing, Science and Technology Publishing, NY, USA.
(<http://www.scitecpub.com/World%20Journal%20of%20Mathematical%20Modeling%20and%20Applied%20Computing/Editorial%20Board.php>)

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(<http://www.scitecpub.com/Research%20Open%20Journal%20of%20Engineering%20Studies/Editorial%20Board.php>)
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(<http://www.scitecpub.com/World%20Open%20Journal%20of%20Computer%20Engineering%20Research/Editorial%20Board.php>)
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(<http://www.scitecpub.com/Open%20Research%20Journal%20of%20Industrial%20&%20Production%20Engineering/Editorial%20Board.php>)
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(<http://www.scitecpub.com/Research%20Open%20Journal%20of%20Advanced%20Mathematics%20and%20Physics/Editorial%20Board.php>)
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(<http://www.scitecpub.com/Global%20Open%20Research%20Journal%20of%20Mathematics/Editorial%20Board.php>)
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(<http://www.scitecpub.com/Open%20Research%20Journal%20of%20Fluid%20Dynamics/Editorial%20Board.php>)
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(<http://www.scitecpub.com/Research%20Open%20Journal%20of%20Composite%20Materials/Editorial%20Board.php>)
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(<http://www.scitecpub.com/World%20Open%20Journal%20of%20Advanced%20Mathematics/Editorial%20Board.php>)
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(<http://www.scitecpub.com/Research%20Open%20Journal%20of%20Metal%20and%20Steel%20Research%20Technology/Editorial%20Board.php>)
- ✦ Editorial Board member Research Open Journal of Science and Technology, Science and Technology Publishing, NY, USA.
(<http://www.scitecpub.com/Research%20Open%20Journal%20of%20Science%20and%20Technology/Editorial%20Board.php>)
- ✦ Editorial Board member International Journals of Computer Science And Information Security (IJCSIS) Dubai.
(http://www.irocsjournals.org/irocs/journals/IJCSIS/editorial_board.php?JCode=IJCSIS)

- ✦ Editorial Board member (IJMRS's) International Journal of Mathematical Modeling and Physical Sciences, India, ISSN 2320-9992.
- ✦ Editor Zadeh Journal of Mathematics, India.
<http://www.domainsmoon.com/zjm/editors/editors.html>
- ✦ Editor Time Journal of Engineering and Physical Sciences (TJEPS)
<http://www.timejournals.org/tjeps/board.htm>
- ✦ Editorial Board member American Open Applied Engineering Journal, New York, USA.
<http://www.rekpub.com/American%20Open%20Applied%20Engineering%20Journal/Editor%20Board.php>
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- ✦ Editorial Board member American Open Industrial Engineering Journal, New York, USA.
<http://www.rekpub.com/American%20Open%20Industrial%20Engineering%20Journal/Editor%20Board.php>
- ✦ Editorial Board member International Journal of Biomedical Science and Engineering, New York, USA,
<http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=259>
- ✦ Invited as Guest Faculty Member Mahatma Gandhi university Meghalaya for M.Phil/Ph.D. degree Courses.
- ✦ Editorial Board member TPRResearch Journal, India.
- ✦ Editorial Board member International Journal of Engineering & Technical Research, India.
<http://www.erpublication.org/IJETR/Editorial%20Board.htm>
- ✦ Editorial Board member BEST : International Journal of Humanities , Arts, Medicine and Sciences (BEST : IJHAMS), ISSN(Print): Applied For; ISSN(Online): 2348-0521.
<http://www.bestjournals.in/journals.php?type=2&id=73&details=editors>
- ✦ Editorial Board member, EDITORS, Advances in Scientific and Technological Research (ASTR) Journal.
<http://www.projournals.org/ASTR/editor.php>
- ✦ Editorial Board member International Journal of Biomedical Science and Engineering USA.
<http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=259>
- ✦ Editorial Board member International Journal of Innovation in science and Mathematics, ISSN : 2347 – 9051.
<http://www.ijism.org/index.php/en/editors>
- ✦ Editorial Board member Review of Control Theory and Informatics, Pakistan.
<http://www.pakinsight.com/?ic=editorial-board&journal=78, aks Journals.>

- ✦ Working as Editor, IEC University International Journal of Engineering, Managements and Science.
<http://journal.iecuniversity.com/messages/>
- ✦ Editorial Board member Advances in Materials Science and Mechanical Engineering Research (AMSMER).
http://www.irphouse.com/Editorial%20Board%20Members/amsmer_Ed_Memb.html
- ✦ Editor **International Journal of Electro Mechanics and Mechanical Behaviour**.
<http://mechanical.journalspub.info/index.php/JEMMB/about/editorialTeam>
- ✦ Editor **International Journal of Fracture and Damage Mechanics**.
<http://mechanical.journalspub.info/index.php/IJFM/about/editorialTeam>
- ✦ Editor Advances in Materials Science and Mechanical Engineering Research (AMSMER)
http://irphouse.com/Editorial%20Board%20Members/amsmer_Ed_Memb.html
- ✦ Associate editor **WORLD WIDE JOURNAL OF MULTIDISCIPLINARY RESEARCH AND DEVELOPMENT** <http://wwjmr.com/editorial.html>
- ✦ Editorial board member Heat and mass transfer Journal Canada.
<http://www.cansrg.com/journals/hmtrj/hmtrj-editorial-board/>

Research Degree Committee member

- ✦ Departmental research degree committee (Department of mathematics, Punjabi University Patiala), since 2013 to till date.
- ✦ Departmental research degree committee (Department of Applied Science, I.K.G. Punjab Technical University Jalandhar), since 2014 to till date.
- ✦ Departmental research degree committee (Department of Mathematics, Mahatma Gandhi University Meghalaya) since 2013 to till date.
- ✦ Departmental research degree committee (Faculty of Mechanical engineering, University of Belgrade), since 2015 to till date.
- ✦ Departmental research degree committee (Faculty of Engineering El-Mataria , Helwan University Cairo, Egypt), since 2016 to till date.
- ✦ Departmental research degree committee (Department of Mathematics, IEC University), since 2014 to 2016.

Research Collaborations:

1. Department of Mathematics, Faculty of Science, Ekiti State University, Ado Ekiti, Nigeria
2. Department of Mathematics, Punjabi University, Patiala, Punjab, India
3. Department of Applied Science, Punjab Technical University, Jalandhar, Punjab, India
4. Department of Mechanical Engineering, University Belgrade, Serbia.
5. Department of Mathematics, Mahatma Gandhi University Meghalaya.

Reviewer Board Member

- ✦ Reviewer *Journal of vibroengineering* (**SCIE Journal**).
- ✦ Reviewer *International Journal of Simulation Modelling* (**SCIE Journal**).
- ✦ Reviewer Tehnički Vjesnik - Tehnical Gazette, Croatia (**SCIE Journal**).

- ✚ Reviewer Journal of the Brazilian Society of Mechanical Sciences and Engineering, Springer Journals (**SCI Journal**).
- ✚ Reviewer Applied Mathematics and Computation, Elsevier Publisher (**SCI Journal**).
- ✚ Reviewer Thermal Science Journal, Serbia (**SCI Journal**).
- ✚ Reviewer Engineering computations U.K. (**SCI Journal**).
- ✚ Reviewer Kragujevac Journal of Science, Serbia (*Zoological Record, Thomson Master Journal Lis*).
- ✚ Reviewer Heat and mass transfer UK (**SCI Journal**).
- ✚ Reviewer Facta Universities Series: Mechanical engineering, Serbia (*ESCI, Scopus*)
- ✚ Reviewer Structural Integrity and Life (*Scopus*)
- ✚ Reviewer Non linear Engineering (*Scopus*)
- ✚ Reviewer Journal of Applied Engineering Science, Institut za istrazivanja i projektovanja u privredi, Serbia (*Scopus*)
- ✚ Reviewer Journal of Geography, , environment and earth science (Internal journal) (*Index Journal*)
- ✚ Reviewer Journal of Solid Mechanics, Publisher: Islamic Azad University-Arak Branch (Scopus)
- ✚ Science publication group, UK. (*Index Journal*)
- ✚ Reviewer Asian Journal of Mathematics and computer research(*Index Journal*)
- ✚ Reviewer Physical Science International Journal(*Index Journal*)
- ✚ Reviewer Science Domain International Journals. (*Index Journal*)
- ✚ Reviewers in IRED (Institute of Research Engineers and Doctors) Journals/Conferences, 2012, Reviewer - ID M-6051. (*Index Journal*)
- ✚ IST Transactions of Mechanical Systems-Theory and Applications, Structural mechanics , Creep damage, Pure and applied research, Mechanics of rigid bodies, Fracture, Composites , Thermodynamics , Elasticity , Plasticity, Canada .
- ✚ IST Transactions of Applied Mathematics-Modeling and Simulation Statistics, Estimation , Mathematical biology, Canada .
- ✚ IST Transactions of Biomedical Sciences and Engineering, Canada.
- ✚ Journal of Mechanical, Aerospace and Industrial Engineering, USA .
- ✚ Journal of Civil, Environmental and Architectural Engineering, USA.
- ✚ Contention Journal of Applied Science, Nigeria.
- ✚ Thermal Science international Scientific journal Serbia (Refereed Journal).
- ✚ Reviewers in Journal of portugaliae electro-chimica acta.
- ✚ Reviewers in Defence Science Journal, India.
- ✚ Reviewer in ICSIT Orlando, Florida, USA.
- ✚ Reviewers in WSEAS Journal.
- ✚ Reviewers in CST Journal, America.
- ✚ Reviewers in Wyno Academic Journal of Physical sciences.
- ✚ Reviewers in Wyno Engineering and technology research.
- ✚ Reviewer of Journal Of Engineering Research & Publication Centre (JERPC) (www.jetpublishing.org/jerpc).
- ✚ Reviewer of Journal of Business & Management Practice (JBMP), (www.jetpublishing.org/jerpc).
- ✚ Reviewer of Review of Control Theory and Informatics, Pakistan.

Citations index (Details most cited 15 research papers)

Google Scholar database (July 2018)



Dr Pankaj thakur

Associate professor Mathematics, ICFAI university himachal pradesh

Elastic
Plastic
Creep
Transversely
isotropic material

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Citations	599	444
h-index	14	12
i10-index	23	16

TITLE	CITED BY	YEAR
Thermo elastic-plastic transition in a thin rotating disc with inclusion SK PANKAJ THAKUR, Gupta Thermal Science 11 (1), 103-118	46	2007
Creep transition in a thin rotating disc with rigid inclusion PT Gupta, SK Defence Science Journal 57 (2), 185	43	2007
Elastic-plastic transition stresses in rotating cylinder by finite deformation under steady-state temperature T Pankaj Thermal Science 15 (2), 537	30	2011
Creep transition stresses in a thin rotating disc with shaft by finite deformation under steady-state temperature T Pankaj Thermal Science 14 (2), 425-436	28	2010
Creep transition in an isotropic disc having variable thickness subjected to internal pressure pankaj Gupta, SK PROCEEDINGS-NATIONAL ACADEMY OF SCIENCES INDIA SECTION A 78 (1), 57	27	2008
Elastic-plastic transition stresses in a thin rotating disc with rigid inclusion by infinitesimal deformation under steady-state temperature T Pankaj Thermal Science 14 (1), 209-219	26	2010
Elastic-Plastic Transition Stresses in a transversely isotropic Thick-walled Cylinder subjected to internal Pressure and steady-state Temperature T Pankaj Thermal Science 13 (4), 107-118	25	2009
Creep Transition stresses of a Thick isotropic spherical shell by finitesimal deformation under steady state of temperature and internal pressure P thakur thermal science 16 (supplementary issue 2), S157-S165	23	2011
Elastic-plastic transition in a thin rotating disc having variable density with inclusion P Thakur Structural Integrity and life, Serbia 9 (3), 171-179	21	2009
Thermal creep transition stresses and strain rates in a circular disc with shaft having variable density SBS Pankaj Thakur, Jatinder Kaur Engineering Computations 33 (3), 298-712	19 *	2016
Steady thermal stress and strain rates in a rotating circular cylinder under Steady State Temperature P thakur Thermal Science 18 (suppl 1), s93-S106	18	2014
Thermal Stresses and Strain Rates in a circular cylinder with non-homogeneous compressibility subjected to thermal load P thakur Thermal Science 18 (Suppl. 1),	16	2014
Stresses in a thin rotating disc of variable thickness with rigid shaft P Thakur Journal for Technology of Plasticity 37 (1), 1-14	16	2012
Elastic-plastic transition stresses in an isotropic disc having variable thickness subjected to internal pressure P thakur International journal of Physical Science 4 (5), 336-342	14	2009
Effect of transition stresses in a disc having variable thickness and Poisson's ratio subjected to internal pressure P Thakur WSEAS transactions on applied and theoretical mechanics 6 (4), 147-159	13	2011

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Author details

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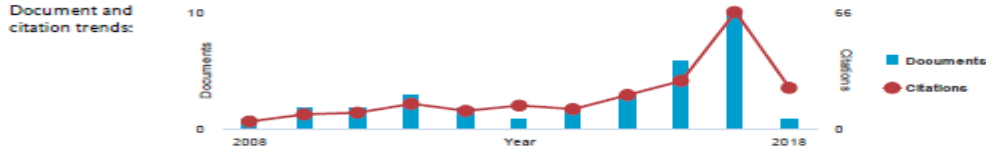
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