

Curriculum Vitae

DR. KARUNESH KUMAR SHUKLA

Director

N.I.T. Jamshedpur

E-mail- shuklakk@hotmail.com, kkshukla@mnnit.ac.in, kkshukla@nitjsr.ac.in

Phone: +91-8004913097, 9988882244 (M)

Fax: +91-657-2373246



Address for Communication : Director
National Institute of Technology Jamshedpur
Jamshedpur-831014, Jharkhand., India

Date of Birth : July 01, 1965

Areas of Interest:

- Composite Plates and Shells
- Smart Structures
- Retrofitting & Strengthening of RCC Structures
- Computational Mechanics
- Stability & Dynamics of Structures
- Multi-scale Composites

Educational Qualifications:

Examination/Degree	Year	Subjects/Discipline	% Marks, Division	Institution/Board
High School	1979	Hindi, English, Science, Math, Sanskrit	77.6, 1 st (Hons)	U.P.Board, Allahabad
Intermediate	1981	Hindi, English, Physics, Chemistry, Math	71.0, 1 st	U.P.Board, Allahabad
B.E.	1986	Civil Engineering	80.6, 1 st (Hons)	M.M.M.E.C.Gorakhpur (Gorakhpur University)
M.E. (Structures)	1988	Civil (Structures) Engineering	80.4, 1 st (Hons)	M.N.R.E.C.Allahabad (Allahabad University)
Ph.D.	2001	Solid Mechanics	10/10 (CPI-Course Work)	Indian Institute of Technology Delhi

Ph.D. Thesis: “Some studies on nonlinear static and dynamic analysis of laminated composite plates under thermomechanical loading”.

M.Eng. Thesis: “Pre-cast Hollow Roofing Units”

Employment Details:

Designation	Employer	Period
Director	N.I.T.Jamshedpur	16-11-2017- continuing
Professor (Applied Mechanics Deptt.)	M.N.N.I.T. Allahabad	19-02-2009 to 15-11-2017
Professor (Civil Engineering)	M.N.N. I.T. Allahabad	15-06-2005 to 18-02-2009
Professor (Applied Mechanics Deptt.)	M.N.N. I.T. Allahabad	20-02-2000 to 14-06-05
Assistant Professor (Applied Mechanics Deptt.)	M.N.R. E.C. Allahabad	8-10-99 to 19-02-2000
Lecturer(Selection Grade) (Applied Mechanics Deptt.)	M.N.R. E.C. Allahabad	8-10-94 to 7-10-99
Senior Lecturer (Applied Mechanics Deptt.)	M.N.R. E.C. Allahabad	7-10-88 to 7-10-94
Lecturer (Applied Mechanics Deptt.)	M.N.R. E.C. Allahabad	

Courses Lectured:

- (a) U.G. Level:** Engineering Mechanics, Strength of Materials, Advance Strength of Materials, Structural Analysis, Composite Materials, Optimization Techniques, Mechanical Vibration, Finite Element & Finite Difference Methods, Concrete Design
- (b) P.G. Level:** Theory of Stability, Theory of Plates & Shells, Applied Computational Methods, Theory of Elasticity, Advanced Structural Analysis, Dynamics of Structures, Finite Element Method, Mechanics of Composite Materials, Experimental Stress Analysis

Details of new courses developed/ existing courses revised

Sl. No.	Undergraduate	Postgraduate
1.	Engineering Mechanics, Strength of Materials, Structural Analysis I & II, Composite Materials, Developed course curriculum for B.Tech (Civil) for AICTE New Delhi	Theory of Elasticity, Dynamics of Structures, Mechanics of Composite Materials, Finite Element Method, Theory of Plates and Shells, Applied Computational Method, Continuum Mechanics, Experimental Solid Mechanics

Details of experimental or computational projects added to teaching laboratory

Sl. No.	Undergraduate	Postgraduate
1.	Structural Analysis Laboratory	Shear Centre, Folded Plates, Testing of Composites, Micro UTM, SEM

Research and Consultancy

1. Research Scholar, Applied Mechanics Department, I.I.T. Delhi, India, July 1997 – Sept. 2000 (on QIP scholarship from Govt. of India)
2. Visiting Research Fellow, Mechanical and Computer Aided Engineering Department, Feng Chia University, Taichung, Taiwan, Nov. 2002- March 2003, June 2004.
3. **Industrial Projects/ Consultancy**
 - Structural design of India gate at Sonauli, Gorakhpur (India- Nepal Border), UPPWD Gorakhpur, 1994, 0.40 lacs.
 - Structural Design Evaluation of the Agricultural Engineering College, Etawah, UP, UPRNN, 1994-95, 1.60 lacs
 - Structural Design of Curved Beams of Girls Polytechnic Amethi & Sultanpur, UPPWD, 1996, 0.40 lacs.
 - Structural Design Evaluation of Overhead Water tank and Buildings at MNREC, Allahabad, 1995. 2.0 lacs
 - Structural Design of Foundation of Wind Tunnel at MNREC Allahabad.
 - Design of Minor Bridge at Pratapgarh, UPRNN, 2003, 0.60 lacs.
 - Design evaluation of Hospital Building at MLN Medical Allahabd, 2003. 0.50 lacs
 - Stability Checking of retaining walls, Oriental structures Ltd. 2007, 0.25 lacs
 - Design of Culverts, 2007, 0.25 lacs.
 - Design of lifting bolts, 2007, 0.10 lacs
 - Survey work of ADA Allahabad, 2007, 4.5 lacs
 - Design of Extension of bridge culvert, Oriental structures, 2008, 0.25 lacs
 - Design of sump well, Up Jal Nigam, 2008, 0.26 lacs.
 - Design checking of number water tanks, 2008, 0.25 lacs
 - Design of 4 storied building, ADA Allahabad, 2008. 0.50 lacs
 - Design of 4 storied building, ADA Allahabad, 2010. 0.50 lacs
 - A number of testing consultancies related to steel testing and others.(2004-8) 2.5 lacs.
 - Design Checking of different shops of Indian Railway sponsored by L&T Ltd (2012)-2.5 lacs
 - Evaluation of Flood Protection Scheme in Uttarakhand (2011-12)- 2.0 lacs
 - Proof Checking of Design and Drawings of ROB at Rly Km 1409/8-9 on Kanpur(2012)- Rs. 0.68 lacs
 - Supervision of Civil construction works at the MNNIT Allahabad for the period 1994-95, 2003-2009
 - Third Party Inspection of Civil Works carried out by UP Roadways for the Mahakumbh 2013
 - Proof Checking of Design and Drawings of 4 ROBs (2014)- Rs. 2.50 lacs
 - DST-FIST project for Applied Mechanics Department, MNNIT Allahabad, Rs. 130 lacs (Prepared & presented before the committee on behalf of the deptt.)
 - Proof Checking of Design and Drawings of 4 ROB at ch. 94+050 (2015)- Rs. 0.50 lacs

4. Sponsored Research Projects

(i) **Title:** Design Simulation, Modeling and Mechanical Properties Characterization of Carbon Nano Tube (CNT) Composites (completed)

Funding Agency: Advanced Systems Laboratory (ASL) a Defense Research and Development Organization (DRDO), Ministry of Defence, Govt. of India.

Fund allotment: Rs. 127 lacs (Co-PI: Dr. S.B.Mishra, MED)

(ii) **Title:** “Characterization, Modelling and Analysis of Nano flake and Nano-sheet Graphite Nanocomposites”

Funding Agency: Joint Research funding under Indo-Taiwan S&T Programme

Fund allotment: funding of 2 visits from each side.

Period: March 2009-2012

Awards and Recognitions

- National scholarship 1979-1986.
- GATE Fellowship 1986-1988.
- QIP Fellowship 1997-2000.
- Cited in Marcus World’s Who’s and Who in Science & Engineering 2003, 2005, 2006, 2007.
- Included in the reference book by the International Biographical Centre, Cambridge, England as leading Scientists of the World 2005.
- **Visiting Research Fellow** Nov.02 – March 03 and June 2004, Feng Chia University, Taichung, Taiwan.
- Developed BE/B.Tech (Civil Engg.) Curriculum, sponsored by AICTE New Delhi in 1998.
- **Served as Reviewer** to the following Int. Journals (i) J. Engineering Mechanics, ASCE, (ii) J. Sound & Vibration, (iii) Finite Element Analysis & Design, (iv) Int. J. Structural stability & Dynamics, (v) Int. J. Geotechnical & Geological Engg., (vi) Communication in Nonlinear Science & Numerical Simulations, (vii) Composite Structures, (viii) Mechanics of Advanced Materials & Structures (ix) Int J. of Mechanical Sciences (x) Acta Mechanica Solida Sinica (xi) AIAA (xii) Shock and Vibration (xiii) Composites: Part-B (xiv) Int. J. Mechanical Sciences (xv) Structural Engineering & Mechanics.
- Member International Editorial Board of Int. Journal “The Open Aerospace Engg. Journal” published by Bentham Science & Engg. Publication, USA.
- Member, Editorial Board of Journal of Modeling and Simulation in Design and Manufacturing (ISSN: 0976-7827)
- Reviewed Text Book on “Structural Analysis”
- Secretary & President of QIP Research Scholar Forum, IIT Delhi, 1998-1999.
- President, Teacher’s Association, MNNIT Allahabad, 2007-9
- Chaired Technical Sessions in International Conference, ICTACEM2010, ICSSD-2102
- Member, International Advisory Board, 4th International Conference on Structural Stability and Dynamics held at NIT Jaipur, Jan. 2012.
- Member, National Advisory Board 3rd Asian Conference on Functional Materials and Structures, ACFMS-2012.

Administrative Experience:**(a) Institute Level:**

- Dean (Planning & Development): June 16, 2017 – Nov. 15, 2017
- Dean (Academic): Sept 01, 2013- Aug. 31, 2015
- Head, Applied Mechanics Department: August 17, 2011- August 16, 2013
- Head, Mathematics Department: March 01, 2011- August 31, 2011
- Dy. Dean (Administration): 2001-2004
- Faculty in-charge Construction: July 1994- Aug. 95, Sept. 2003- Feb. 2010
- Assistant Warden- Tandon Hostel & P.G. Hostel
- Warden in-Charge: Delegacy & Malviya Hostel
- Officer-in-Charge: Various Games
- Chief Proctor: Nov 2011-Nov 2014
- Chairman, Institute Health Care Committee: Dec 01, 2012- Dec. 15, 2015
- Chairman, Institute Security Advisory Committee: May 2012-till date
- Chairman, Technical Committee, Centre for Interdisciplinary Research
- Chairman, Technical Committee, Centre for Medical Diagnostics & Research
- Chairman, Core Committee, Centre for Interdisciplinary Research

(b) Department Level

- Officer-in-charge: Computational lab, Engineering Mechanics lab, Structural Analysis lab, Strength of Materials lab, Time table
- Convener-Departmental Postgraduate Committee
- Convener-Departmental Under Graduate Committee

(c) Others

- Dy. Coordinator-UPMCAT: 2001, 2002, 2003
- Dy. Chairman Central Counseling Board- AIEEE-2003, 2004
- Convener-Technical Committee: CCB-AIEEE-2003
- Member-CCB Head Quarter, CCB-2008
- Member-Technical Committee, CCB-2009, 2014

Short Term/Refresher Courses Organized / Attended:**Organized:**

- Convener, Self Sponsored Short Term course on “Finite Element Analysis (Theory and Practice)” MNNIT Allahabad, January 29 – February 03, 2007, Number of participants – 45.
- Coordinator, Self Sponsored short term course on “Nanocomposites” MNNIT Allahabad, July 11 –15, 2013, Number of participants – 30.

Attended:

- Short Term course on “Computer Methods in Optimization”, Oct. 12-23, 1992, IISc Bangalore.
- Short Term Course on “Pump and Valve Selection for Optimum Performance”, Dec. 27-Jan. 8, 1994, MNREC Allahabad.
- Short Term Course on “Recent Trends in Engineering Materials” Dec. 26- Jan 6, 1995, MNREC Allahabad.
- Specialist Course on “Detailing of Reinforced Concrete Structures” Oct. 12-17, 1995, University of Roorkee.
- Summer School on “Reliability Based Innovative Product Design” June 1-12, 1998, IIT Delhi.
- Summer School on “Instrumentation & Data Analysis” July 6-17, 1998, IIT Delhi.

- National workshop on “Institute Works- Construction and Management” Sept. 23-24, 2002, IIT Kanpur.
- Short Term Programme on “Curriculum Processes” Feb. 15-17, 2005 organized jointly by MNNIT Allahabad & NITTTR, Chandigarh.
- Short Term Course on “Virtual Instrumentation” Jan. 17-21, 2005 organized jointly by MNNIT Allahabad & NITTTR, Chandigarh.

**Conferences/Seminars Organized/Participated:
Organized**

Sl. No.	In the Capacity of	Title	Duration	Organised at	Sponsors	Amount [in lakhs]
1.	Organising Chairman	National Workshop on Advanced Functional Materials and Structures (AFMS-12) in collaboration with University of Missouri, Columbia, USA	July 12-14, 2012	MNNIT Allahabad	Self Sponsored	No. of Participants: 40
2.	Programme & Technical Chair	International Conference on Multifunctional Materials, Structures and Applications (ICMMSA-2014) in collaboration with University of Missouri, Columbia, USA	Dec. 22-24, 2014	MNNIT Allahabad	Sponsored by various agencies	No. of Participants: more than 100 More than Rs. 13 lacs
3.	Conference Chairman	3 rd Indian Conference on Applied Mechanics (INCAM-2017)	July 05-07, 2017	MNNIT Allahabad	Sponsored by various agencies	No. of Participants: more than 250

Participated

- National Seminar on High Rise Structures, Institution of Engineers Allahabad, 1995.
- Int. Conf. on Theoretical, Applied, Computational & Experimental Mechanics, ICTACEM-98, IIT Kharagur, 1998.
- 11th ISME Conf. IIT Delhi, 1999.
- Geo-Environment-2005, MNNIT Allahabad
- Int. Conf. Computational & Experimental Sciences, ICCES-5, IIT Chennai, 2005.
- Int. Conf. Computational Mechanics, ICCMS06, IIT Guwahati, 2006.
- Int. Conf. 15th USNCTAM, University of Colorado, Colorado, USA, June 25-30, 2006.
- Int. Conf. on Theoretical, Applied, Computational & Experimental Mechanics, ICTACEM-07, IIT Kharagur, 2007

- 2nd Asian Conference on Functional Materials & Structures ACFMS 2010, Nanjing University of Aeronautics and Astronautics, Nanjing, China, Oct.22-25, 2010.
- Int. Conf. on Theoretical, Applied, Computational & Experimental Mechanics, ICTACEM-10, IIT Kharagur, 2010
- Int. Conf. on Aeronautical and Astronautical Engineering, ICAAE 2011, Paris, France, July 27-29, 2011.
- 8th South African Conference on Applied Mechanics, SACAM-12, University of Johannesburg, South Africa, Sept. 3-5, 2012.
- Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2012), IIT Delhi, Dec 5-8, 2012.
- International Conference on Structural Stability and Dynamics (ICSSD-2012), MNIT Jaipur, India, 4-6 Jan. 2012.

Invited Talks:

- “Nonlinear Analysis of Composite Laminated Plates under Thermomechanical Loading: An Analytical Approach” at Civil Engg. Deptt., Feng Chia University, Taichung Taiwan, 10-3-2003.
- “Dynamic Response of Composite Laminated Plates” at Mechanical Engg. Deptt., Feng Chia University, Taichung Taiwan, 17-3-2003.
- “Basics of Finite Element Method” Short term course at MNNIT Allahabad, 2007.
- “Variation Formulations” Short term course at MNNIT Allahabad, 2007.
- Inaugural talk on “Finite Element Method” a refresher course at HBTI Kanpur, 2007.
- “Basics of Elasticity” Short term course at MNNIT Allahabad, 2007.
- “Computational Mechanics” Short term course at MNNIT Allahabad, 2007.
- “Basics of Finite Element Analysis & its Application”, Short term course at Oriental Institute of science & Technology, Bhopal, 2007.
- “Research Scenario at MNNIT Allahabad”, TOKO University, Taiwan, 2007.
- “About MNNIT & Research Scenario at MNNIT” CUHK & HKU, Hongkong, 2007.
- “Smart Materials & Systems” at Advanced Material Processing and Research Institute Bhopal, 2008.
- “Civil Engineering Profession” at a Seminar organized by U.P. Professional Civil Engineering association at Lucknow, 2007.
- “Laboratory Teaching” Orientation Programme for New Faculty Members at MNNIT Allahabad-2004.
- “Multiscale Composites” at National Workshop on Advanced Functional Materials and Structures, MNNIT Allahabad, July 12-14, 2012.
- “Nonlinear Dynamic Analysis of Laminated Composite Skew Plates”, Fourth Int. Conf. on Structural Stability and Dynamics (ICSSD-2012), Jaipur, India, 4-6 Jan. 2012.
- “Nonlinear Systems and Dynamics” at short term course on Advances in Nonlinear Dynamics organized by Deptt. of Physics, MNNIT Allahabad, June 10-14, 2013.

Visits Abroad (Foreign Universities):

- University of Johannesburg, South Africa
- Nanjing University of Aeronautics & Astronautics, Nanjing, China
- Feng Chia University, Taichung, Taiwan
- TOKO University, Chai, Taiwan
- Hongkong University, Hongkong
- Chinese University Hongkong, Hongkong
- University of Colorado, Boulder, USA
- Columbia University, New York, USA
- City College of Engineering, City Univeristy, New York, USA
- Florida International University, Miami, USA

- The Parks College of Engineering and Aviation, St. Louis, USA
- University of Missouri, Columbia, USA

Ph.D. Theses Supervised

(a) Completed: 11

- (i)** B.P.Patel (2005), “Thermal Buckling and Postbuckling Characteristics of Composite Laminated Shells (Co-Supervisor: Prof. Y .Nath)
 - (ii)** Ramesh Pandey (2008), “Some Studies on Nonlinear Analysis of Laminated Composite Rectangular Plates” (Co-Supervisor: Prof. Anuj Jain)
 - (iii)** Dinesh Bhatia (2011), “Some Studies on Biomechanical Aspects of Human Leg” (Co-Supervisor: Dr. R.P.Tewari)
 - (iv)** R.K.Srivastava (2012), “Study of Rigid Pavements for Village Roads in Alluvial Regions” (Co-Supervisor: Prof. S.K.Duggal).
 - (v)** Jeeoot Singh (2012), “Some Studies on Linear and Nonlinear Analysis of Rectangular Plates using RBF based Meshfree Method” (Co-supervisor: Prof. T.Nath).
 - (vi)** Ashutosh Upadhyay (2013) “Nonlinear Static and Dynamic Analysis of Skew Plates”.
 - (vii)** Syed Tabin Rushad (2013), “Some studies on the strengthening of the R.C.C. beams”, (Co-supervisor: Prof. S.K.Duggal)
 - (viii)** T. Ramesh (2014), “Life Cycle Energy Analysis of Residential Buildings” (Co-Supervisor: Dr. Ravi Prakash)
 - (ix)** Ashok Jain (2014), “Some Studies on the Warehousing Structures using Prefabricated Ferrocement Folded Plates”.
 - (x)** Kishore Guru (2017), “Modeling and Simulation Studies of CNT reinforced Nanocomposites: A Hybrid Approach” (Co-Supervisor: Dr. S.B.Mishra)
 - (xi)** Hemant K Singh (2017), “Some Studies on Energy Saving through Building Insulation” (Co-Supervisor: Prof. Ravi Prakash)
- (c) Under Progress: 2**
- (i) Tushar Sharma, “Nonlinear Analysis of Tapered Beam”, (Co-Supervisor: Dr. V.Murari).
 - (ii) Rajendra Bahadur, “Analysis of Spherical Shells on skew Planform”, (Co-Supervisor: Dr. Ashutosh Upadhyay)

List of Publications

(a) Book Chapters: 1

- “Buckling and Post-buckling of Composite Plates Under Thermal Loadings”, **Shukla K.K.** and Pandey R., Encyclopedia of Thermal Stresses, Editor- R. Hetnarski, DOI 10.1007/978-94-007-2739-7, © Springer Science+Business Media Dordrecht , 505-516, (2014).

(b)Text Book: 1

- “An Introduction to Strength of Materials” **K.K.Shukla**, Anuj Jain,& Ramesh Pandey (Narosa Publications , 2014, ISBN: 978-81-8487-101-2)

(c)Book/Proceedings edited: 1

- “Proceeding of the International Conference on Multifunctional Materials, Structures and Applications”, P.Chakrabarti, Sanjeev Khanna, **K.K. Shukla**, Naresh Kumar, A. Bhar (McGraw Hill Education (India) Pvt. Ltd. New Delhi, 2014, ISBN: 978-93-392-2019-8)

(d) List of Publications

I. International Journals: 62

(i) SCI: 48

1. “Dynamic Behaviour of Curved Panels of Rectangular Planar Form: An Analytical Approach”, Rajendra Bahadur, Upadhyay, A.K., and **Shukla, K.K.**, *Int. J. Structural Stability and Dynamics*, 18 (2018).
2. “Effect of Orthotropy Ratio of the Shear Web on the Aero-Elasticity and Torque Generation of a Hybrid Wind Turbine Blade”. Choudhury, S., Sharma, T., **Shukla, K.K.**, *Renewable Energy*, 113, 1378-1387 (2017). DOI: 10.1016/j.renene.2017.07.016.
3. “Static Analysis of Singly and Doubly Curved Panels on Rectangular Plan-form”, Rajendra Bahadur, Upadhyay, A.K., and **Shukla, K.K.**, *Steel and Composite Structures, Techno Press*, 24 (6), 659-670 (2017).
4. “Study of Effect of Interface on the Elastic Modulus of CNT Nanocomposites”, Guru, K., Sharma, T., **Shukla, K.K.**, and Mishra, S.B., *Journal of Nanomechanics and Micromechanics, ASCE*, 6(3), 04016004-1-10 (2016).
5. “Effect of temperature and functionalization on the interfacial properties of CNT reinforced nanocomposites”, Guru, K., Mishra, S.B., and **Shukla, K.K.**, *Applied Surface Science*, 349, 59-65 (2015)
6. “Buckling of Laminated Composite and Sandwich Plates Using Radial Basis Function Collocations”, Sandeep Singh, Jeeoot, Singh, **Shukla, K.K.**, *International Journal of Structural Stability and Dynamics*, 15(1), 2015. DOI: 10.1142/S0219455415400027
7. “Post-buckling analysis of skew plates subjected to combined in-plane loadings” Upadhyay, A.K. and **Shukla, K.K.**, *ActaMech*, 225 (10), 2959-2968, (2014)
8. “Meshless Analysis of Laminated Composite and Sandwich Plates Subjected to Various Types of Loads”, Singh, Jeeoot, Singh, S., and **Shukla, K.K.**, *Journal for Computational Methods in Engineering & Mechanics*, 15(2), 158-171, (2014)
9. “Post buckling behavior of Composite and Sandwich Skew Plates” Upadhyay, A.K. and **Shukla, K.K.**, *International Journal of Non-Linear Mechanics*, 55, 120-127 (2013).
10. “Nonlinear static and dynamic analysis of skew sandwich plates”, Upadhyay, A.K. and **Shukla, K.K.**, *Composite Structures*, 105, 141-148 (2013)
11. “Geometrically Nonlinear Static and Dynamic Analysis of Functionally Graded Skew Plates” Upadhyay, A.K. and **Shukla, K.K.**, *Communications in Nonlinear Sciences and Numerical Simulation*, 18(8), 2252-2279 (2013)
12. “Flexural response of Doubly Curved Laminated Composite Shells” by Sharma, A., Upadhyaya, A.K., **Shukla, K.K.**, *J. SCIENCE CHINA Physics, Mechanics & Astronomy*, 56 (4): 812-817 (2013).
13. “Non-linear Flexural and Dynamic Response of CNT Reinforced Laminated Composite Plates”, Bhardwaj, G., Upadhyay, A.K., Pandey, R., and **Shukla, K.K.**, *Composites Part B*, 45, 89-100 (2013).
14. “Buckling of laminated composite plates subjected to mechanical and thermal loads using meshless collocations”, Singh, Sandeep, Singh Jeeoot, and **Shukla, K.K.**, *Journal of Mechanical Science and Technology*, 27(2), 327-336 (2013).
15. “Nonlinear flexural analysis of functionally graded plates under different loadings using RBF based meshless method”, Singh, Jeeoot and **Shukla, K.K.**, *Engineering Analysis with Boundary Elements*, Vol. 36, 1819-1827 (2012).
16. “Large Deformation Flexural Behavior of Laminated Composite Skew Plates: An Analytical Approach” Upadhyay, A.K. and **Shukla, K.K.**, *Composite Structures*, Vol. 94, 3722-3735 (2012)
17. “Life cycle approach in evaluating energy performance of residential buildings in Indian Context”, Ramesh, T., Prakash, R., and **Shukla, K.K.**, *Energy and Buildings*, 54, 259-265 (2012).
18. “Nonlinear Dynamic Response of Elastically Supported Laminated Composite Plates”, Pandey, R., Upadhyay, A.K., **Shukla, K.K.**, and Jain A., *Int. J. Mechanics of Advanced Materials and Structures*, Vol. 19 (6), 397-420, 2012.
19. “Nonlinear flexural analysis of laminated composite plates using RBF based meshless method”, Singh, Jeeoot and **Shukla, K.K.**, *Composite Structures*, Vol. 94, 1714-1720 (2012).
20. “Life Cycle Energy Analysis of Residential Buildings with Different Envelopes and Climates in Indian Context”, Ramesh, T., Prakash, R., and **Shukla, K.K.**, *J. Applied Energy*, Vol. 89(1), 193-202 (2012).

21. "Nonlinear dynamic response of laminated composite plates subjected to pulse loading" Upadhyay, A.K., Pandey, R., and **Shukla, K.K.**, *Communications in Nonlinear Sc. Numerical Simulation*, Vol. 16, 4530-4544 (2011).
22. "Life cycle energy analysis of buildings: An overview", T.Ramesh, Ravi Prakash, **K.K.Shukla**, *Energy and Buildings*, 42(10), 1592-1600, (2010).
23. Nonlinear Flexural Response of Laminated Composite Plates under Hygro-Thermo-Mechanical Loading by Upadhyay, A.K, Pandey, R., and **Shukla, K.K.**, *Communications in Nonlinear Sc. Numerical Simulation*, 15(9), 2634-2650, (2010).
24. Hygrothermoelastic postbuckling response of laminated composite plates by Pandey R., Upadhyay A.K. and **Shukla K.K.**, *J. Aerospace Engg., ASCE*, 23(1), 1-13, (2010).
25. Nonlinear free vibration analysis of composite plates with material uncertainties: A Monte Carlo simulation approach by Singh B.N., Bist A.K., Pandit M.K., **Shukla K.K.**, *J. Sound & Vibration*, 324(1-2) 2009 (2009).
26. Thermoelastic stability analysis of laminated composite plates: An analytical approach by Pandey R., **Shukla K.K.** and Jain A., *Communications in Nonlinear Sc. Numerical Simulation*, 14, 1679-1699 (2009).
27. Second order statistics of natural frequencies of smart laminated composite plates with random material properties by Singh B.N., Umrao A. and **Shukla K.K.**, *Smart Structures and Systems: An Int. Journal*, 4(1) (2008).
28. Postbuckling response of functionally graded rectangular plates subjected to thermo-mechanical loading by **Shukla K.K.**, Ravi Kumar K.V., Pandey R. and Nath Y., *Int. J. Structural Stability and Dynamics*, 7(3), 519-541 (2007).
29. Thermoelastic Buckling Characteristics of Angle-Ply Laminated Elliptical Cylindrical Shells", Patel, B.P., Shukla, K.K., and Nath, Y., *Composite Structures*, 77(1), 120-124 (2007)
30. Postbuckling analysis of functionally graded rectangular plates by Wu T.L., **Shukla K.K.** and Huang J.H., *Composite Structures*, 81(1), 1-10 (2007).
31. Nonlinear thermo-elastic buckling characteristics of cross-ply laminated joined conical-cylindrical shells by Patel B.P., Nath Y. and **Shukla K.K.**, *Int. J. Solids and Structures*, 43, 4810-4829 (2006).
32. Nonlinear thermoelastic stability characteristics of cross-ply laminated oval cylindrical/conical shells by Patel B.P., **Shukla K.K.** and Nath Y., *Finite Elements in Analysis and Design*, 42, 1061-1070 (2006).
33. Free vibrations of laminated composite conical panels with random material properties by Tripathi V., Singh B.N. and **Shukla K.K.**, *Composite Structures*, 81(1), 96-104 (2007).
34. Thermal postbuckling analysis of laminated cross-ply truncated circular conical shells by Patel B.P., **Shukla K.K.** and Nath Y., *Composite Structures*, 71(1), 101-114 (2005).
35. Thermal postbuckling characteristics of laminated conical shells with temperature dependent properties, by Patel B.P., **Shukla K.K.** and Nath Y., *AIAA Journal*, 43(6), 1380-1388 (2005).
36. Thermo-elastic stability behaviour of laminated cross-ply elliptical shells by Patel B.P., **Shukla K.K.** and Nath Y., *Structural Engineering and Mechanics*, 19(6), 749-755 (2005).
37. Postbuckling of cross-ply laminated rectangular plates containing short random fibres by Huang J.H. and **Shukla K.K.**, *Composite Structures*, 68(3), 255-265 (2005).
38. Buckling of laminated composite rectangular plates by **Shukla K.K.**, Nath Y., Kreuzer E. and Sateesh K.V., *J. Aerospace Engg., ASCE*, 18(4), 215-223 (2005).
39. Buckling and transient behaviour of layered composite plates under thermomechanical loading by **Shukla K.K.**, Nath Y. and Kreuzer E., *ZAMM*, 85(3), 163-175 (2005).
40. Thermal postbuckling of laminated composite plates with temperature dependent properties by **Shukla K.K.**, Huang J.H., Nath Y., *J. Engineering Mechanics, ASCE*, 130(7), 818-825 (2004).
41. Thermal buckling of laminated cross-ply oval cylindrical shells by Patel B.P., **Shukla K.K.**, Nath Y., *Composite Structures*, 65(2), 217-229 (2004).
42. Nonlinear dynamic analysis of composite laminated plates containing spatially oriented short fibres by **Shukla K.K.**, Chen J.M. and Huang J.H., *Int. Journal of Solids and Structures*, 41(2), 365-384 (2004).
43. Buckling of laminated composite rectangular plates under transient thermal loading by **Shukla K.K.** and Nath Y., *Journal of Applied Mechanics, ASME*, 69(5), 684-692 (2002).
44. Thermomechanical postbuckling of cross-ply laminated rectangular plates by **Shukla K.K.** and Nath Y., *J. Engineering Mechanics, ASCE*, 128(1), 93-101 (2002).
45. Analytical solution for buckling and postbuckling of angle-ply laminated composite plates under thermomechanical loading by **Shukla K.K.** and Nath Y., *International Journal of Nonlinear Mechanics*, 36(7), 1097-1108 (2001).

46. Nonlinear transient analysis of moderately thick laminated composite plates by Nath Y. and Shukla K.K., *Journal of Sound and Vibration*, 247(3), 509-526 (2001).
47. Postbuckling of angle-ply laminated plates under thermal loading by Nath Y. and Shukla K.K., *Communications in Nonlinear Sciences and Numerical Simulation*, 6(1), 1-16 (2001).
48. Nonlinear analysis of moderately thick laminated rectangular plates by Shukla K.K. and Nath Y., *J. Engineering Mechanics, ASCE*, 126(8), 831-838 (2000).

(ii) Scopus: 5

1. "Multiobjective optimization of functionally corrugated tubes for improved crashworthiness under axial impact", S. Rawat, A. Narayanan, A. K. Upadhyay, and K.K. Shukla, *Procedia Engineering*, 2016.
2. "Stress Analysis for an Infinite Plate with Circular Holes", Kumar Soni, Upadhyay, A.K., and Shukla, K.K., *Material Today Proceedings*, Vol. 4, Issue 2, 2323-2332, 2017, Elsevier Publication.
3. "Nonlinear free vibration of laminated composite and sandwich plates using multiquadric collocations", Solanki M.K., Mishra S.K., Shukla K.K., Singh J, *Material Today Proceedings*, Volume 2, Page 3059-3055, 2015, Elsevier Publication.
4. Nonlinear flexural analysis of laminated composite plates by Pandey R., Shukla K.K. and Jain A., *Int. J. Applied Mechanics & Engineering*, 13(3), 707-733 (2008).
5. Nonlinear static and dynamic analysis of functionally graded plates by Wu T.L., Shukla K.K. and Huang J.H., *Int. J. Applied Mechanics & Engineering*, 11(3), 679-698 (2006).

(iii) NON-SCI: 9

1. "Energy and Emission Reduction Potential for Bank ATM Units in India", Hemant K Singh, Ravi Prakash, K. K. Shukla, *Open Journal of Energy Efficiency* (In press).
2. "Economic and Environmental Benefits of Roof Insulation in Composite Climate of India", Singh, H.K., Prakash R., and Shukla, K.K., *Climate Change, The International Quarterly journal* ISSN 2394-8558 EISSN 2394-8566, 1(4), 397-403 (2015).
3. "Experimental Investigations of RC Beams Strengthened with 4-Layered Symmetric Cross-Ply (SCP) GFRP Laminates", Rushad, S.T., Duggal, S.K., and Shukla, K.K., *IJRET: International Journal of Research in Engineering and Technology*, Vol. 04 Special Issue: 13, 431-434 (2015).
4. "Life Cycle Energy of Low Rise Residential Buildings in Indian Context" Ramesh, T., Prakash, R., and Shukla, K.K., *Open Journal of Energy Efficiency (OJEE)*, 3, 108-118, (2014).
5. "Life cycle energy analysis of a multifamily residential house: a case study in Indian context" Ramesh, T., Prakash, R., and Shukla, K.K., *Open Journal of Energy Efficiency (OJEE)*, 2, 34(2013).
6. State of Art: Functional Electrical Stimulation (FES) by Bhatia D., Bansal G., Tewari R.P. and Shukla K.K., *Int. J. Biomedical Engineering & Technology*, Vol. 5, No.1, 77-79. (2011).
7. Study of the role of muscles under different loading conditions using EMG analysis of lower extremities, Bhatia, D., Tewari, R.P., Ayub, S., Shukla, K.K., and Ansari, M.A., *Advances in Applied Science Research*, vol. 1(3), 118-128, (2010)
8. Nonlinear stability and dynamics of laminated composite plates and shells by Singh S., Sharma A., Patel B.P., Shukla K.K. and Nath Y., *Vibration Problems: Springer*, 415-427 (2007).
9. Postbuckling of cross-ply laminated rectangular plates under in-plane thermal loading by Nath Y. and Shukla K.K., *Int. J. Nonlinear Science and Engineering*, 1, 1-16 (2001).

II. National Journals: 06

1. Srivastava R.K, Shukla K.K., and Duggal S.K., "Study of Composite Effect of Concrete Base in Rigid Pavement for Village Roads in Alluvial Region", *J. Indian Road Congress*, 74, 1-13, 2013.
2. Srivastava R.K, Duggal S.K., and Shukla K.K., "Reinforced Cement Concrete Pavement for Village Roads in Alluvial Region: A Sustainable Option", *Highway Research Journal, Indian Road Congress*, 5(2), 19-26, 2012.
3. Jain A.K. and Shukla K.K., "Warehousing Structures-An optimal approach", *Indian Concrete Journal* (2012).
4. Singh J., Singh S., and Shukla K.K., "Flexural Analysis of laminated composite plates using thin plate spline radial basis function", *J. Modeling and Simulation in Design and Engineering*, Vol. 2, No. 1, 79-84 (2011).
5. Bhatia, D., Bansal, G., Tewari, R.P., and Shukla, K.K., "Determination of activity of significant muscle groups for lower limb exercise", *Indian Journal of Biomechanics: Special Issue*, NCBM, IIT Roorkee (2009).
6. Paliwal D.N., Pandey R.K. and Shukla K.K., "Parametric study on the vibration of cylindrical shell on an elastic foundation", *J. of Structural Engineering*, 26(2), 149-153 (1999).

III. International Conferences: 49

1. Aman Khurana, Tushar Sharma, and **K.K.Shukla**, "Optimization of parameters affecting the performance of wind turbine blade using grey relational analysis" IEEE International Conference on Advances in Mechanical, Industrial, Automation and Management Systems (AMIAMS-2017) at MNNIT Allahabad, Allahabad, February 3-5, 2017.
2. Sharad Rawat, Anirudh Narayanan, A.K.Upadhyay and **K.K.Shukla**, "Multiobjective optimization of functionally corrugated tubes for improved crashworthiness under axial impact" The 11th International Symposium on Plasticity and Impact Mechanics, IMPLAST 2016, IIT Delhi, December 11 - 14, 2016.
3. Tushar Sharma, V.Murari, **K.K.Shukla**, "Static Analysis of Doubly Tapered Thin Walled Composite Box Beam Under Axial Loading", ICCMS 2016, IIT Bombay, June 27- July 01, 2016.
4. Santanu Choudhury, Tushar Sharma, **K.K.Shukla**, "Static Response of Wind Turbine Blade under Actual Loading Effect", ICCMS 2016, IIT Bombay, June 27- July 01, 2016.
5. Rajendra Bahadur, A.K.Upadhyay, **K.K.Shukla**, "Static analysis of doubly curved fgm panel on rectangular plan-form", ICCMS 2016, IIT Bombay, June 27- July 01, 2016.
6. Sharad Rawat, A.K.Upadhyay, **K.K.Shukla**, "Energy absorption characteristics of Aluminium alloy 6061 square corrugated tubes under axial and oblique impact loading", ICCMS 2016, IIT Bombay, June 27- July 01, 2016.
7. Hemant K Singh, Aadhar Kaushik, Ravi Prakash, K. K. Shukla, "Energy saving potential of natural insulation materials in the built environment", ARIMPIE-2016, ITS, Gr. Noida, 14-15 April, 2016.
8. Hemant K Singh, Ravi Prakash, K. K. Shukla, "Economic insulation thickness of external walls in hot and composite regions of India", GCRE-2015, NIT, Patna, 04-06 March, 2016.
9. Hemant K Singh, Ravi Prakash, K. K. Shukla, "Economic and environmental benefits of roof insulation in composite climate of India", GCCT-2015, NIT, Allahabad, 9-11 Oct., 2015.
10. Kishore Guru, S. B. Mishra and **K. K. Shukla**, "Functionalization effects on the Interfacial bonding of nanocomposites" International Conference on Multifunctional Materials, Structures and Applications ICMMSA, MNNIT Allahabad, Dec 22-24, 2014.
11. V.K.Yadav, A.K.Upadhyay and **K.K.Shukla** (2014), "Nonlinear Static Analysis of Functionally Graded Sandwich Skew Plates," ICMMSA, MNNIT Allahabad, Dec 22-24, 2014.
12. VikashYadav, A.K. Upadhyay and **K.K.Shukla** (2014), "Nonlocal Analysis of Orthotropic Plates," ICMMSA, MNNIT Allahabad, Dec 22-24, 2014.
13. A.K.Upadhyay and **K.K.Shukla**, "Static and Dynamic Analysis of Functionally Graded Skew Plates" Fourth International Congress on Computational Mechanics and Simulation (ICCMS 2012), IIT Hyderabad, Dec 9-12, 2012.
14. J.Singh and **K.K.Shukla**, "Nonlinear Free Vibration of Functionally Graded Plates using Multiquadric collocations," The Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2012), IIT Delhi, Dec 5-8, 2012.
15. R.B.Patil and **K.K.Shukla**, "Static and Vibration analysis of Laminated Composite and Sandwich Plates" The Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2012), IIT Delhi, Dec 5-8, 2012.
16. A.K.Upadhyay and **K.K.Shukla**, "Buckling of Laminated Composite and Sandwich Skew Plates" The Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2012), IIT Delhi, Dec 5-8, 2012.
17. P.K.Tungala and **K.K.Shukla**, "Supersonic Flutter of Rectangular Plates with Variable Fiber Spacing" The Third Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2012), IIT Delhi, Dec 5-8, 2012.
18. J. Singh and **K.K.Shukla**, "Buckling Analysis of Laminated Composite and Sandwich Plates subjected to Different In-plane Loadings", 8th South African Conference on Applied Mechanics, SACAM-2012, University of Johannesburg, South Africa, Sept 3-5, 2012.
19. A.K.Upadhyay and **K.K.Shukla**, "Nonlinear Dynamic Analysis of Laminated Composite Skew Plates", Fourth Int. Conf. on Structural Stability and Dynamics (ICSSD-2012), Jaipur, India, 4-6 Jan. 2012.
20. G. Bhardwaj, A.K.Upadhyay, R. Pandey, and **K.K.Shukla**, "Buckling and Postbuckling Response of CNT Reinforced Multi-Scale Composite Laminated Plates", Fourth Int. Conf. on Structural Stability and Dynamics (ICSSD-2012), Jaipur, India, 4-6 Jan. 2012.

21. Sandeep Singh, J. Singh, and **K.K.Shukla**, “Buckling of Laminated Composite Plates using Meshless Method Based on Radial Basis Function”, Fourth Int. Conf. on Structural Stability and Dynamics (ICSSD-2012), Jaipur, India, 4-6 Jan. 2012.
22. Viswanath, S.M., A.K.Upadhyay, and **K.K. Shukla**, “ Low Velocity Impact Analysis of Sandwich Plates using General Linearized Contact Law”, Fourth Int. Conf. on Structural Stability and Dynamics (ICSSD-2012), Jaipur, India, 4-6 Jan. 2012.
23. J. Singh, Sandeep Singh, and **K.K.Shukla**, “ RBF based Meshless Method for Free Vibration Analysis of Laminated Composite Plates”, Int. Conf. on Aeronautical and Astronautical Engineering, ICAAE 2011, Paris, France, July 27-29, 2011.
24. Viswanath, S.M., A.K.Upadhyay, and **K.K. Shukla**, “ Low Velocity Impact Analysis of Composite Laminates using Linearized Contact Law”, 5th International on Advances in Mechanical Engineering (ACAME), SVNIT Surat India, June06-08, 2011.
25. P.P.Singh, G. Bhardwaj, S.B.Mishra, and **K.K.Shukla**, “Influence of Aspect Ratio and CNT-Matrix Interphase in Carbon Nanotube Reinforced Composites”, 5th International on Advances in Mechanical Engineering (ACAME), SVNIT SuratIndia, June06-08, 2011.
26. M.K.Dikshit, S.B.Mishra, and **K.K.Shukla**, “Investigation of Elastic Modulus of Epoxy DGEBA Cured with DEDTA by Molecular Dynamics”, 5th International on Advances in Mechanical Engineering (ACAME), SVNIT SuratIndia, June06-08, 2011.
27. K.V.Kulkarni, A.K.Upadhyay, and **K.K.Shukla**, “An Analytical Solution for Dynamic Response of Laminated Composite Skew Plates”, 5th International on Advances in Mechanical Engineering (ACAME), SVNIT SuratIndia, June06-08, 2011.
28. Ambuj Sharma, A.K.Upadhyay, and **K.K.Shukla**, “Response of Doubly Curved Laminated Composite Shells”, The Second Asian Conference on Mechanics of Functional Materials and Structures (ACMFMS 2010) at Nanjing University of Aeronautics and Astronautics Nanjing China, Oct. 22-25, 2010.
29. Sandeep Singh, Ramesh Pandey, and **K.K.Shukla**, “Buckling Analysis of Laminated Composite Plates with Eccentric Circular Cutouts using FEM”, ICTACEM 2010.
30. Jeet Singh, **K.K.Shukla**, and T.Nath, “A mesh free method for analysis of sandwich and composite plates using multiquadrics discretizations”, ICTACEM 2010.
31. Dinesh Bhatia, R.P. Tewari, **K.K. Shukla** “Mathematical Modeling and Simulation of knee ankle muscles for different locomotion activities” 6th World Congress on Biomechanics (WCB 2010) in conjunction with 14th International Conference on Biomedical Engineering, National University of Singapore and International Federation of Medical and Biomedical Engineering and Biomedical Engineering Society, 1st-6th August 2010, Singapore, IFMBE Proceedings 31, pp. 640–643, 2010.
32. A.K.Upadhyay, Praveen Kumar, and **K.K.Shukla**, “ Linear Static Analysis of Skew Composite Plates”, ICCMS, IIT Mumbai, Dec. 2009
33. Sumit Sharma, Ramesh Pandey, A.K.Upadhyay, and **K.K.Shukla**, “Postbuckling Response of Hybrid Composite plates” ICCMS, IIT Mumbai, Dec. 2009.
34. K.M.Gupta, A.K.Gupta, and **K.K.Shukla** (2008), “Nonlinear Analysis of Sandwich Composite Plate under Impact Loading”, 5th MSAT, Bangkok, Sept. 2008, 97-99.
35. R.Pandey, A.K.Upadhyay, **K.K.Shukla**, and A.Jain (2007), “Non-linear response of laminated composite plates under hygro-mechanical loading”, ICTACEM – 07, December 2007.
36. R. Pandey, **K.K.Shukla**, and A. Jain (2006), “Postbuckling response of laminated composite rectangular plates”, ICCMS06, IIT Guwahati.
37. V. Anjani Kumar, Ramesh Pandey, **K.K.Shukla**, and Jin H. Huang (2006), “Linear vibration analysis of composite rectangular plates: A state space approach”, ICCMS06, IIT Guwahati.
38. **K.K.Shukla**, Ravi Kumar, KV., and Y.Nath (2006), “ Stability Analysis of Functionally Graded Rectangular Plates”, 15th USNCTAM, University of Colorado, Colorado, USA, June 25-30, 2006.
39. B.P.Patel, A.Sharma, **K.K.Shukla**, and Y.Nath, (2005) “Nonlinear dynamics and stability of laminated composite plates and shells”, ICOVP, 2005.
40. B. N. Singh, Arun K. Mishra and **K. K. Shukla** (2005) “Stability of Piezoelectric Laminated Composite Plates with Uncertain Material Properties” International conference on Smart Materials, Structures and Systems, July 28-30, 2005, IISC Bangalore.
41. Vivek Tripathi, B N Singh and **K.K. Shukla** (2005), “Free vibration study of laminated composite conical panels with random material properties” International Conference on Smart Materials, Structures and Systems, July 28-30, 2005 at IISC Bangalore.

42. Jhao-Ming Chen, **K.K.Shukla**, Jin H.Huang (2005), "Analysis and design of double piezoelectric beam driven torsional microactuator", ICCES05, IIT Madras.
43. Ramesh Pandey, **K.K.Shukla**, and Anuj Jain (2004), "Nonlinear static analysis of laminated composite plates", ICTACEM 2004, IIT Kharagpur, pp. 140-142, 2004.
44. Atul Umrao, B.N.Singh, and **K.K.Shukla** (2004), "Free vibration response of piezoelectric laminated composite plates with random material properties", ICTACEM 2004, IIT Kharagpur, pp. 80-83, 2004.
45. **K.K.Shukla**, Manoj S. Patil, Ramesh Pandey and Anuj Jain (2004) "Thermal Buckling of functionally graded Rectangular Plates", 17th Engineering Mechanics Conf., ASCE, USA, 2004.
46. **K.K.Shukla**, Y.Nath and J.H.Huang (2003), "Buckling of laminated composite rectangular plates under thermomechanical loading: An analytical approach", Proceedings of the 5th International Conference on Thermal Stresses and Related Topics, TS-2003, Blacksburg, VA, USA, TM-5-1-(1-4).
47. **K.K.Shukla**, Y.Nath, and B.Rahul Deo (2003), "Thermomechanical Postbuckling Of Laminated Composite Rectangular Plates with Temperature Dependent Properties", ICCE-10 July 20-26, 2003, New Orleans, USA.
48. **K. K. Shukla** and Y Nath (2000), "Nonlinear Analysis of Rectangular Plates: An Analytical Approach", SEC-2000, IIT Bombay, pp.359-366, 2000.
49. Y.Nath, **K.K.Shukla**, A.K.Sharma and G.Raghvender (1998), "Thermal Buckling of Symmetrically Laminated Cross-Ply Rectangular Plates", ICTACEM 98, IIT Kharagpur.

IV. National Conferences/Seminars: 20

1. Aman Khurana, Tushar Sharma and **K K Shukla**, "Analysis of Thin walled composite box beam with and without Piezoelectric actuators using ABAQUS" 3rd Indian Conference on Applied Mechanics (INCAM2017), MNNIT Allahabad, 5– 7 July 2017.
2. Tushar Sharma, V Murari and **K.K. Shukla**, "Static Analysis of Thin Walled Sandwich Composite Box Beam" 3rd Indian Conference on Applied Mechanics (INCAM2017), MNNIT Allahabad, 5– 7 July 2017.
3. Kuldeep Yadav, A.K. Upadhyay and **K.K. Shukla**, "Effect of obliquity on ballistic impact response of plain woven fabric" 3rd Indian Conference on Applied Mechanics (INCAM2017), MNNIT Allahabad, 5– 7 July 2017.
4. Tarun, Rajendra Bahadur, Ashutosh K. Upadhyay and **K.K. Shukla**, "Dynamic Analysis of Functionally Graded Curved Sandwich Panels" 3rd Indian Conference on Applied Mechanics (INCAM2017), MNNIT Allahabad, 5– 7 July 2017.
5. Sudhir Kumar Singh, Rajendra Bahadur, Ashutosh K. Upadhyay and **K.K. Shukla**, "Static Analysis of Functionally Graded Curved Sandwich Panel on Rectangular plan-form" 3rd Indian Conference on Applied Mechanics (INCAM2017), MNNIT Allahabad, 5– 7 July 2017.
6. Sharad Rawat, A.K.Upadhyay and **K.K.Shukla**, "Crushing analysis of tapered circular corrugated tubes subjected to impact loading," Structural Engineering Convention, SEC2016, CSIR-SERC Chennai, December 21- December 23, 2016.
7. Tushar Sharma, V.Murari and **K.K.Shukla**, "Static response of thin walled CNT reinforced laminated composite box beam," Structural Engineering Convention, SEC2016, CSIR-SERC Chennai, (December 21- December 23, 2016).
8. Hemant K Singh, Ravi Prakash, **K. K. Shukla**, "Economic and environmental benefits of roof insulation in warm & humid climate of India", NCPDM-2015, NIT, Allahabad, 21-22 Nov., 2015.
9. Sunil K. Singh, Tushar Sharma, V.Murari, **K.K.Shukla**, "Effect of Airfoil Shape and Taper along the Blade Span on Static and Dynamic Behavior of Wind Turbine Blades", INCAM 2015, IIT Delhi, July 13-15, 2015.
10. Rajendra Bahadur, A.K.Upadhyay, **K.K.Shukla**, "Higher order theory based static analysis of laminated composite doubly curved panels on rectangular plan-form", INCAM 2015, IIT Delhi, July 13-15, 2015.
11. Adnan Ahmed, **K.K.Shukla**, "Free vibration of variable stiffness composite laminates with curvilinear fibres", Indian Conference on Applied Mechanics (INCAM) 2013, IIT Madras, July 4 – 6, 2013.
12. Rameez, A.K. Upadhyay, **K.K. Shukla** (2013), "Energy absorption in sandwich plates with pyramidal hollow truss core", Indian Conference on Applied Mechanics (INCAM) 2013, IIT Madras, 4 – 6 July 2013.
13. T.Sharma, K.Guru, S.B.Mishra, **K.K.shukla**. "Evaluation of Mechanical properties of SWCNT and MWCNT using FE simulation". Indian Conference on Applied Mechanics (INCAM 2013), IIT Madras, July 4-6, 2013.
14. G. Bhardwaj, R.Pandey, **K.K.Shukla**, " Flexural Response of CNT Reinforced Multi-scale Composite Laminated Plates", ISAMPE National Conference on Composites- INCCOM10, Nov. 2011, Pune
15. Dinesh Bhatia, Ashish Mishra, R.P.Tewari, **K.K. Shukla** (2010), "Modeling and Simulation of Hip knee muscles using EMG from different locomotion activities" National Conference on Emerging Medical Instrumentation (CEMI-2010) organized by CSIO, Chandigarh on 11th and 12th May 2010.

16. Dinesh Bhatia, Gagan Bansal, R.P Tewari, **K K Shukla** (2009), "Determination of activity of significant muscle groups for lower limb exercise" National Conference on Biomechanics organized by Department of Mathematics, IIT Roorkee and Indian Society of Biomechanics at IIT Roorkee on 7 & 8th March 2009.
17. Y.Nath, **K.K.Shukla** and M.P.Janardhana (2001), "Laminated Composite Cylindrical Panels: An Analytical Approach", 12th ISME Conf., pp.161-168.
18. **K.K. Shukla**, Y. Nath, and R.K.Pandey (1999)," Reliability Analysis of a Tall Vertical Pressure Vessels", Proc. 11th ISME Conf. IIT Delhi, pp. 149-154.
19. K. Ramakrishna, **K.K.Shukla** and Arvind Kumar (1997), "Knowledge based system for assessment of distress in reinforced concrete due to corrosion", Proc. National Seminar on Role of building chemicals in construction industry", I.E. Allahabad, III103-108.
20. **K.K.Shukla** and Jai Prakash (1995), "Light Weight Precast Slab", Proc. National Seminar on High Rise Structures", Institution of Engineers, Allahabad, V62-66.