LIST OF PUBLICATIONS 2013, 2014, 2015 & 2016

List of Publications of Applied Sciences Department

Physics

2017

1. Pramod Kumar Yadawa, "Elastic and ultrasonic properties of Hexagonal Nibium compound." Journal of advanced physics Vol. 6(2), 2017, pp:279-283 (American scientific publisher).

2016

2. V. Bhalla, **Devraj Singh** and S. K. Jain, 2016, Mechanical and thermophysical properties of rare-earth monopnictides, *International Journal of Computational Materials Science and Engineering*, Vol. 5, No. 3, 1650012 (14 pages), ISSN: 2047-6841(Print); 2047-685X (Online), DOI: 10.1142/S2047684116500123.

3. **Devraj Singh,** S. Kaushik, S. K. Pandey, G. Mishra, V. Bhalla, 2016, Mechanical and thermo-physical properties of neptunium monopnictides, *VNU Journal of Science: Mathematics-Physics*,Vol. 32, No. 2, pp. 43-53, ISSN: 0866-8612

4. A. K. Jaiswal, M. Wan, S. Singh, D.K. Singh, R.R. Yadav, **Devraj Singh** and G. Mishra, 2016, Experimental investigation of thermal conduction in copper-palladium nanofluids, *Journal of Nanofluids*, Vol. 5, No. 4, pp. 496-501, ISSN: 2169-432X (Print), 2169-4338 (Online), doi:10.1166/jon.2016.1243

5. V. Bhalla and **Devraj Singh,** 2016, Anisotropic assessment of ultrasonic wave velocity and thermal conductivity in ErX (X: N, As), *Indian Journal of Pure & Applied Physics*, Vol. 54, No. 1, pp. 42-48 (Impact Factor=0.739: SCOPUS) , ISSN: 0975-1041 (Online), 0019-5596 (Print), **SJR (2014):** 0.326, **IPP (2014) :**0.742; S**NIP (2014) :**0.756

6. M. Wan, R. R. Yadav, **Devraj Singh**, M. S. Panday and V. Rajendran, 2016, Temperature dependent ultrasonic and thermo-physical properties of polyaniline nanofibers reinforced epoxy composites, *Composite B*(Elsevier), Vol. 87, 15February, pp. 40-46, (Impact Factor=3.850) =SCOPUS, ISSN: 1359-8368, doi: 10.1016/j.compositesb.2015.10.011, **SJR (2014):** 1.888, **IPP (2014) :**3.603; S**NIP (2014) :**2.301

7. V. Bhalla, **Devraj Singh** and S. K. Jain, 2016, Mechanical and thermophysical properties of cerium monopnictides, *International Journal of Thermophysics*, Vol. 37 (33), March, pp. 1-17, (Impact Factor=0.946) =SCOPUS, ISSN: 0195-928X (Print) 1572-9567 (Online), doi: 10.1007/s10765-016-2038-0, **SJR (2014):** 0.498, **IPP (2014) :**0.972; S**NIP (2014) :**1.110

8. V. Bhalla, **Devraj Singh** and S. K. Jain, 2016, Ultrasonic attenuation in terbium monophosphide, *Journal of Pure and Applied Ultrasonics*, Vol. 38, No. 3, pp. 84-87, ISSN: 0256-4637.

9. Devraj Singh, V. Bhalla, A. Mathur, M. Wan, P. K. Dhawan, A.K. Jaiswal and R.R. Yadav, 2016, Experimental investigation on the thermal conductivity and ultrasonic velocity of propylene glycol based TiO2nanofluids, 19th World Conference on Nondestructive Testing, Internationals Congress Center MünchenMessegelände - 81823 Munich - Germany, 13-17 June, 2016.

10. Pramod Kumar Yadawa, "Effect of temperature dependence ultrasonic velocities and attenuation of GaP nanowires" Journal of Theoretical and Applied Physics, 10, (2016) 203-209 (Springer), [ISSN: 1735 - 9325] DOI: 10.1007/s40094-016-0216-x.

2015

11. Vyoma Bhalla and Devraj Singh, "Anisotropic assessment ultrasonic wave velocity and thermal conductivity in ErX (X:N, As)", Indian Journal of Pure & Applied Physics, Vol. 53, ISSN: 0975-1041 (Online); 0019-5596 (Print): **SCOPUS; Google Scholar**

12. Devraj Singh, Vyoma Bhalla, R. Kumar and S. Tripathi, "Behaviour of acoustical phonons in CeAs in low temperature region", Indian Journal of Pure & Applied Physics, Vol. 53, Page no. 169-174, ISSN: 0975-1041 (Online); 0019-5596 (Print): **SCOPUS; Google Scholar**

13. Meherwan, R.R. Yadav, Giridhar Mishra, Devraj Singh and B. Joshi, Johnson Matthey Technology Review, "Temperature dependent heat transfer performance of multi-walled carbon nanotubes - based aqueous nanofluids at very low particle loadings", Vol. 59, Page no 199-206, doi:10.1595/205651315x688163, ISSN 1004-0676. : **Google Scholar**

14. P. K. Yadawa, "Elastic and Acoustic Properties of XB2 (X= V, Nb & Ta) Transition Metal Diborides" , Journal of Materials Physics and Chemistry, Vol. 3(1), Page no 001-005, ISSN 2333-4436.: **Google Scholar**

15. P. K. Yadawa, "Interplay between acoustic technetium and nitrides", Journal of Chemistry and Material Research, Vol. 2(2), Page no 62-66, ISSN 2381-3628. **Google Scholar**

16. V. Pandey, Giridhar Mishra, M. Wan, Devraj Singh, A.K. Tiwari, R.R. Yadav and B. Mishra. Characterization of Cu-PVA nanofluids: Ultrasonic and thermal properties, Journal of Pure and Applied Ultrasonics,Vol. 37, No. 2-3, pp. 33-38: **Google Scholar**

2014

17. P. K. Yadawa, Elastic and Acoustic properties of Hexagonal Cr2Nb compound, Journal of Molecular and Engineering Materials , 2 (2014) 145301 (1-6). [ISSN: 2090-9594]: **Google Scholar**

18. P. K. Yadawa, Non-destructive characterization of superionic conductor lithium nitride Materials Science-Poland, Vol-32, Issue 4(2014), pp-626-632, I.F=0.374, DOI: 10.2478/s13536-014-0238-5.: **SCOPUS; Google Scholar**

19. Devraj Singh, S. Kaushik, S. Tripathi, Vyoma Bhalla, A.K.Gupta, Temperature-Dependent Elastic and Ultrasonic Properties of Berkelium Monopnictides, Arabian Journal for Science and Engineering, Vol. 39 No. 1, PP- 485-494, DOI:10.1007/s13369-013-0845-1(Impact Factor=0.385).: **SCOPUS/Google Scholar//CCG-2/**

20. D.K. Pandey, Devraj Singh, Vyoma Bhalla, S.Tripathi and R.R. Yadav, Temperature dependent elastic and ultrasonic properties of ytterbium monopnictides, Indian Journal of Pure and Applied Physics, Vol. 52, pp – 330-336, No. 5 (Impact Factor = 0.854**): SCOPUS; Google Scholar//CCS-1/CCG-1/.**

21. Devraj Singh, Vyoma Bhalla, S. Triapthi, V. K. Singh and A.K. Gupta, Ultrasonic Properties of Plutonium Monochalcogenides DOI: 10.13189/ujpa.2014.020101 Universal Journal of Physics and Application Vol. 2, No. 1, pp. 1-6: **Google Scholar**

22. P. K. Yadawa , S. K. Verma, G.iridhar Mishra and R. R. Yadav, "Effect of Elastic Constants on the Ultrasonic Properties of Group VIB Transition Metal Diborides" Journal of Nanotechnology and Advanced Materials, 2 (1) (2014) 1-9. [ISSN: 2090-9594]. : **Google Scholar//CCG-1/.**

23. P.K.Yadawa, "Computation of acoustic wave propagation in II-VI hexagonal Semiconductor". Journal of Chemistry and Material Research, Vol. 1(3), (2014), pp-65-70.: **Google Scholar**

24. P.K.Yadawa, "Characterization of hexagonal Mg and Laves-Phase $MgZn_2$ by Ultrasonic technique". Atrican Review of Physics, Vol-9(2014), pp-27-32. **Google Scholar**

25. S. Kaushik, Vyoma Bhalla and Devraj Singh**,** Journal of Pure and Applied Ultrasonics, Temperature dependent elastic and ultrasonic properties of silver halides, Vol. 36, No. 4, pp. 85-90: **Google Scholar**

2013

26. Giridhar Mishra, Devraj Singh, P. K. Yadav, S. K. Verma, R. R. Yadav, Study of copper/palladium nanoclusters using acoustic particle sizer http://dx.doi.org/10.1595/147106713X667632 Platinum Metals Review Vol.57, No. 3, pp. 186–191 (IF=2.194). **SCOPUS; Google Scholar:**

27. Vyoma Bhalla, R. Kumar, C. Tripathy and Devraj Singh, Mechanical and thermal properties of praseodymium monopnictides: an ultrasonic study, International Journal of Modern Physics B, Volume 27, Issue 22, 10 September 2013 (28 pages) (Impact Factor=0.402). **:SCOPUS; Google Scholar**

28. A. K. Gupta, A. Gupta, S. Tripathi, Vyoma Bhalla, Devraj Singh, Ultrasonic Properties of Hexagonal Closed Packed Metals, Universal Journal of Materials Science 1(2): 63-68, 2013.: **Google Scholar**

29. A.K. Yadav, Devraj Singh, S. Tripathi, Vyoma Bhalla, R.R. Yadav, Temperature Dependent Elastic and Ultrasonic Properties of Iron Aluminide, Universal Journal of Materials Science Vol. 1(2), pp. 56 – 62: **Google Scholar**

30. V. Pandey, Giridhar Mishra, S. K. Verma, M. Wan, R. R. Yadav, Synthesis and Ultrasonic Investigations of CuO-PVA Nanofluid, Materials Sciences and Applications, Vol. 3 No. 9, 2012, pp. 664-668. doi: 10.4236/msa.2012.39097.: **Google Scholar**

31. P. K. Yadawa, Acoustic Wave Propagation in Hexagonal MgTe, ZnTe and CdTe Compounds, Communications in Applied Sciences, 1 (2013) 47-58. [ISSN: 2201-7372]: **Google Scholar**

32. P. K. Yadawa, Elastic and acoustic properties of intermetallic nanostructure SrGa2 compound, Nano Science & Nano Technology -An Indian Journal, 7 (6) (2013) 205-208. [ISSN: 0974-7494]:

33. P. K. Yadawa Elastic and Acoustic Properties of Hexagonal MnB_2, TcB_2 and ReB_2 Compounds", Journal of Advanced Physics, 2, (2013) 111-115. [ISSN: 2168-1996] .: **Google Scholar**

34. D.K. Singh, D.K. Pandey, R.R. Yadav and Devraj Singh, A study of ZnO nanoparticles and ZnO-EG nanofluids DOI:10.1080/17458080.2011.602369 Journal of Experimental Nanoscience Vol. 8, No. 5, pp. 731–741 (IF=0.875): **SCOPUS; Google Scholar**

Mathematics

2016

35. P.K.Kapur, Vijay Kumar and A.K.Srivantava," Strategic Price, Warranty and Profit Maximization Model of a Software Product Using Dynamic Optimization", International Journal of Reliability, Quality and Safety Engineering, Vol.23 (1),2016,pp. 1650002. [World Scientific] (Indexed in Scopus).

36. Vijay Kumar, Paridhi Mathur ,Ramita Sahni and Mohit Anand," Two Dimensional Multi Release Software Reliability Modeling for Fault Detection and Fault Correction Processes" International Journal of Reliability, Quality and Safety Engineering, Vol.23(3),2016, pp.1640002(15 pages) [World Scientific] (Indexed in Scopus).

37. Vijay Kumar and Ramita Sahni," Predicting Bugs and Release Time of Bugzilla OSS: An Information Theoretic Approach", *Communications in Dependability and Quality management: An International Journal* Vol.18 (4), pp.20-32,2016.

38. Sungeeta Singh, Renu Tuli, Deepali Sarode, "A review on fuzzy and stochastic extensions of the multi-index transportation problem", Yugoslav Journal of operations research, published online (Article in press), DOI:10.2298/YJOR1504170075, 2016. SCOPUS and Google scholar.

2015

39. Vijay Kumar, R. Sahni, "An effort allocation model considering different budgetary constraint on fault detection process and fault correction process", Decision Science Letters Volume-5(1), Page no. 143-156, ISSN 1929-5812 (Online),1929-5804 (Print) : **SCOPUS; Google Scholar**

40. Renu Tuli, S. Sharma, International Journal of Mathematical Archive "Efficient solutions of the interval valued bicriteria shortest path problem", Vol. 6(5), Page no. 1 to 9, ISSN 2229 – 5046: **Google Scholar.**

41. Renu Tuli and Sunita Sharma, "A fuzzy membership approach to obtain efficient solutions of the interval valued bi-criteria shortest path problem", Turkish Journal of fuzzy systems, 6(1), pp. 001-016, 2015.

42. Sungeeta Singh, Renu Tuli, Vidhi Sharma, "Fuzzy bicriteria problem of chustering ration shops to wavehouse sites", International Journal of knowledge and research in management and e-commerce, 5(3), PP:1-7, 2015. Google scholar.

43. Sungeeta Singh, Renu Tuli, Deepali Sarode, "Pareto optimal solutions for Bi-criteria fixed charge transportation problem", Proceedings in science, Engineering and Technology, (REDSET), 2015, pp:71-76.

2014

44. Prakash, S., Agarwal, A.K., Gupta, A.Garg, S.Jain, S.Sharma, S and Jamwal S.S. "A cost-time trade-off Konigsberg bridge problem traversing all the seven bridges allowing repetition" PP no 183-200, June 2014. ISSN: 0030-3887 (print version) ISSN: 0975-0320 (electronic version) **SCOPUS; Google Scholar**

45. Prakash. S., Saluja, R.K., and Singh,P "Pareto Optimal Solutions to the Cost-Time Trade-Off Bulk Transportation Problem through a Newly Evolved Efficacious Novel Algorithm" pp no 13-25, May 2014. : **Google Scholar**

46. Vijay Kumar et al. "An Assessment of testing cost with effort dependent FDP and FCP under learning effect: A Genetic Algorithm Approach", International Journal of Reliability, Quality and Safety Engineering, 21(6), 2014 (World Scientific DOI: 10.1142/S0218539314500272). **SCOPUS; Google Scholar**

47. H D Arora, Vijay Kumar, Anjali Dhiman "Weighted Performance Function for (r, s)-Entropy of Discrete Memoryless Communication Channel under Single Constraint", *International* Journal of Modeling and Optimization, pp.17-20, vol. 4(1),2014: : **Google Scholar**

48. Pawan Kumar Sharma and Sushil Saini, MHD Flow though Rotating Porous Medium with Radiating Heat Transfer in the Presence of Fluctuating Thermal Diffusion, Universal Journal of Applied Mathematics 2(2): 92-98, (2014)] : **Google Scholar**

49. Ompal Singh, P.K. Kapur, A.K.Srivastava and Vijay Kumar," Release time problem with multiple constraints", International Journal of System Assurance Engineering and management (Springer), DOI 10.1007/s13198-014-0246-1, 2014: **SCOPUS; Google Scholar**

50. V. B. Singh, K. K. Chaturvedi, S. K. Khatri , Vijay Kumar, "Bug prediction modeling using complexity of code changes", International Journal of System Assurance Engineering and management (Springer), DOI 10.1007/s13198-014-0242-5,2014: **SCOPUS; Google Scholar**

51. Vijay Kumar,P.K.Kapur, A.K.Shrivastava, Ruchi Sharma,"Optimal Strategies for Price-Warranty Decision Model of Software Product with Dynamic Production Cost" in the proceedings of 3rd *International Conference on Reliability, Infocom Technologies and optimization(ICRITO) published in IEEEXplore ,pp.1-6,2014,* DOI: 10.1109/ICRITO.2014.7014671. : **SCOPUS; Google Scholar**

52. H.D.Arora, Vijay Kumar, Ramita Sahni, "Study of Bug prediction modeling using various entropy measures-A theoretical approach" in the proceedings of 3rd *International Conference on Reliability, Infocom Technologies and optimization(ICRITO) published in IEEEXplore, pp.1-5.2014, DOI: 10.1109/ICRITO.2014.7014697.* : **SCOPUS; Google Scholar**

53. Vijay Kumar, Alok Nath Sharma, Naman Taneja, Himani Sharma,"Optimal strategy for determining pricing policy of a product under the influence of reworking during production" in the proceedings of 3rd *International Conference on Reliability, Infocom Technologies and optimization(ICRITO) published in IEEEXplore ,pp.1-6,2014,* DOI: 10.1109/ICRITO.2014.7014727. **SCOPUS; Google Scholar**

54. Sudhir Kumar Chauhan, Renu Tuli and Pankaj Kumar Singh, paper entitled "A heuristic technique to find parato optimal solutions of the Bicriterian sheet Metal problem" Published in the International Journal of Advances in Engineering Science. Print ISSN. No. 2331-2013, e-ISSN No 2231-0347, Vol-4, Issue-1, pp 27-34, October 2014.: **Google Scholar**

2013

55. P.K. Kapur, H. Pham, U. Chanda and Vijay Kumar, "Optimal Allocation of Testing Effort during Testing and Debugging Phases: A Control Theoretic Approach", International Journal of Systems Science, Vol.44, Issue 9,2013[Impact Factor: 1.305]. **SCOPUS; Google Scholar**

56. Vijay Kumar, Mandeep Mittal, Deepti Agrawal, Naveen Kumar, Laxmi, Vivek Gupta,"Optimization of functional test cases using Genetic Algorithm after Prioritization" in the proceedings of National Conference on Recent Trends in Operations Research(NCRTOR-2013), pp.-244-249, 11-12 April 2013.

57. P K Kapur ,Jyotish N. P. Singh, Nitin Sachdeva and Vijay Kumar "Application of Multi Attribute Utility Theory in Multiple Releases of Software" in the proceedings of International Conference on Reliability, Infocom Technologies and optimization(ICRITO)pp.373-380, 2013.

58. H D Arora, Vijay Kumar, Anjali Dhiman"On Some New Divergence Measure between Fuzzy Sets" " in the proceedings of International Conference on Reliability, Infocom Technologies and optimization(ICRITO), pp. 178-184,2013.

59. Pankaj K. Singh, Renu Tuli, Sudhir K. Chauhan etal, Paper entitled "Efficient Solutions of the Bi-criterion Sheet Metal Problem by Using Optimization Techniques" Published in the E-Proceedings of National Conference on Recent Trends in Operations research, held at ASET, New Delhi, April 11-12, 2013, E-ISBN No.978-93-5104-748-3.

60. Satya Prakash and Renu Tuli , Paper entitled "Solving An Unbalanced Assignment Problem As Such" Published in the E-Proceedings of National Conference on Recent Trends in Operations research, held at ASET, New Delhi, April 11-12, 2013, E-ISBN No.978-93-5104-748-3.

61. Pawan Kumar Sharma and Sushil Kumar Saini, Global Journal of Science Frontier Resecrch F, USA , Radiating heat transfer on unsteady free Convective flow through rotating Porous Medium with fluctuating heat flux, Vol. XIII, issue IX, version I, (2013): **Google Scholar**

62. Pawan Kumar Sharma and Chhama singh, Effect of MHD and thermal diffusion on natural convection oscillatory flow past plate with viscous heating , Mathematical Science Letters *An International Journal ,* Math. Sci. Lett. 2, No. 2, 79-86, (2013)] : **Google Scholar**

63. Pawan Kumar Sharma and Sushil Saini,Combined effect of cosinusoidally fluctuating temperature and concentration flow through porous medium, International Journal of Current Research, Vol. 5, issue 12, 3930-3936, (2013).

Chemistry

2016

64. Shashi Chawla, presented a paper on "Environmentally benign iodometric method for estimation of copper" based on the drop number titration method.

2015

65. Shashi Chawla, Renu Parashar, R.K. Parashar International Journal of Chemical and Pharmaceutical Review and Research, "Is Estimation of Residual Free Chlorine in Water by Drop Number Titration Method Reliable? Investigation of stastical, Progmatic, Psychological and Philosophical reasons", Vol. (2), Issue (1), Page 11-18, ISSN No: 2395-3306

66. Shashi Chawla, R.K. Parashar, International Journal of Chemical and Pharmaceutical Review and Research "Environmentally Benign Method for Estimation of Hardness in Water", in International paper Vol. (1), Issue 2, 2015 Page 49-54. ISSN No. 2395-3306.

2014

67. Mousmi Sen, Manisha Ghosh Dastidar and Pradip K. Roychoudhury, A comparative study on Biological removal of Cr(VI) by Fusarium Solani under Different Modes of Operational Strategies, in international paper , pp 117-125, 2014: **Google Scholar**

2013

68. Mousumi Sen, M.G. Dastidar & P.K. Roychoudhury, " Hexavalent Chromium Reduction and Its distribution in the cell and Medium by Chromium Resistant Fusarium solani " International Journal of Engg. And Tech. Innovation" Vol.3, No. 1,1-9,2013: **Google Scholar**

69. Mousumi Sen, M.G. Dastidar & P.K. Roychoudhury, " Biosorption of Zinc and Nickel from wastewaters using non living cells of Fusarium solani 'International Journal of Chemtech Applications" Vol.2, No. 1,63-70,2013: **Google Scholar**

List of publications by ECE/ ICE Department

2016

70. Rekha Agarwal and Pramod Singh, "Design of Ultra Wideband antenna with triple band notch for minimum EMI; DOI 10.1002/mop, Vol. 58, No. 7(SCI Indexed; **Impact factor : 0.59**).

71. Rashmi Sharma, Rekha Agarwal, Anil Arora, "Evaluation of Ultrasonic Transducers with Divergent Membrane Materials and Geometries" published in Springer CCIS series 628, pp. 779-787, 2016.

72. Deepak Gambhir and Meenu Manchanda, "A novel fusion rule for medical image fusion in complex wavelet transform domain" Int. Journal of Image and Graphics, World Scientific (Accepted).

73. Deepak Gambhir and Navin Rajpal, "Edge and Fuzzy Transform Based Image Compression Algorithm: edgeFuzzy", Artificial Intelligence and Computer Vision, Springer, 978-3-319-46244-8. (Book Chapter).

74. Sarthak Singhal, "Asymmetrically fed octagonal sierpinski band-notched super-wide bond antenna", Journal of computational electronics Springer (Impact Factor=1.104).

75. Deepak Gambhir, Jaspal Singh, Tripathy and Malay Ranjan, "Multi-edged wide-band rectangular microstrip fractal antenna array for C- and X- band wireless applications." Journal of circuits, systems and computers, world scientific, Vol. 26(2017), 175-200.

76. Nidhi S et all, "An optimal scheduling and routing cinder adapter spectrum matching network for MIMD systems" accepted in IJE Taylor & Francis.

77. Rashmi Sharma, Rekha Agarwal, Anil Arora, "FEM analysis of ultrasonic tranducer with square and circular diaphragm" proceedings of 3rd international conference on Recent developments in science, engineering and technology, REDSET-2016.

78. Rashmi Vashisth et. All, "Comparison between capacition mircoma-chined ultrasonic transducer with circular and square micro plates" Journal of pure & applied ultrasonics, ISSN 0256-4637, pp 71-75, July-Sept. 2016.

79. Bajrang Bansal et. all, "A new time-domain heuristic diffranion efficient for UWB communication", accepted in ICEMS-2016, JNU, Jaipur.

80. Bajrang Bansal et. all, "A new time domain diffraction coefficient for non-recently conducting wedper", accepted in APMC-2016, Delhi.

2015

81. Shivani Verma & Sanjay Sharma (2015)." FPGA implementation of low complexity LDPC iterative decodes". *International Journal of Electronics*, Published online on 15 Sep 2015, DOI: 10.1080/00207217.2015.1087052 (SCI Indexed; **Impact factor: 0.459**).

82. Shivani Pasricha and Sanjay Sharma (2015)."Novel Interleaver Design for Turbo codes". *Wireless personal communications, Springer.* Published online 31July, 2015, DOI: 10.1007/s11277-015-2954-5 (SCI Indexed**; Impact factor: 0.653**).

83. Shivani Verma & S. Kumar (2014)." High-performance VLSI architectures for turbo decoders with QPP interleaver". *International Journal of Electronics*. Published online on 24 Jun 2014.DOI:10.1080/00207217.2014.917719 (SCI Indexed; **Impact factor: 0.459**).

84. PiyushTewari, Sanjay Soni, Bajrang Bansal, "Time-domain solution for transmitted field through low-loss dielectric obstacles in a microcellular and indoor scenario for UWB signals," IEEE Transactions on Vehicular Technology, vol. 64, no. 2, pp. 541-552, May 2014. **Impact Factor: 1.97.**

85. Bajrang Bansal and Sanjay Soni, "A new time-domain solution to transmission through a multilayer low-loss dielectric wall structure for UWB signals," Wireless Personal Communication, vol. 79, no. 1, pp. 581-598, Nov. 2014. **Impact Factor : 0.653.**

86. Bajrang Bansal and Sanjay Soni, "Time-domain UWB transmission model for three-dimensional environments with low-loss obstacles," Engineering Science and Technology, an International Journal, vol. 18, no. 3, pp. 385-393, Sep. 2015.

87. Bajrang Bansal and Sanjay Soni, "A new time-domain corner diffraction coefficient for metallic and dielectric objects for UWB signals," Microwave and Optical Technology Letters, vol. 57, no. 7, pp. 1760-1765, Jul. 2015. **Impact Factor: 0.568.**

88. Bajrang Bansal and Sanjay Soni, "A novel time-domain formulation of 3-D dyadic diffraction coefficient for arbitrary polarized UWB signals with oblique incidence," Wireless Personal Communication, vol. 85, no. 4, pp. 1713-1726, Dec. 2015.

89. Bajrang Bansal, Sanjay Soni, Rahul Kumar Jaiswal, and Vinod Kumar, "Time-domain solution for corner diffraction of UWB signals by flat plate structures with the higher-order diffraction included," communicated in IETE Journal of Research, 2015.

90. Rashmi Sharma, Rekha Agarwal, Anil Arora,"Collapse Mode Characteristics of Parallel Plate Ultrasonic Transducer Radiating in Air and Water" Sensors & Transducers Journal ISSN: 2306-8515, e-ISSN 1726-5479 Vol. 196, Issue 1, January 2016 pp 52-56

91. Rekha Agarwal, Pinki Nayak , " Linear Multiuser Detectors using Linear, Circular and Concentric Circular Antenna Arrays in CDMA Communication Systems" WSEAS Transactions on Communications, Vol. 13, July 2014, pp 256-262

92. Nidhi Sindhwani, Manjeet Singh "FFOAS: Antenna Selection for MIMO Wireless Communication System using Fire-Fly Optimization Algorithm and Scheduling Physics".

93. Shivani Pasricha and Sanjay Sharma, "Novel Interleaver Design for Turbo Codes" Wireless Personal Communication, An International Journal; DOI 10.1007/s11277-015-2954-5.: **SCOPUS; Google Scholar**

2014

94. Rekha Agarwal, Rashmi Sharma and Anil Arora, "Effect of Different Membrance Materials on Performance of Ultrasonic Tranducers" Recent Trends in Sensor Research & Technology, April 2014.

95. Rekha Agarwal and Pinki Nayak, WSEAS Transactions on Communications "Linear Multiuser Detectors using Linear, Circular and Concentric Circular Antenna Arrays in CDMA Communication systems" Vol 13, Page no 256-262, 2014.: **SCOPUS; Google Scholar**

96. Sudhanshu Tripathi, D. Singh, V. Bhalla, V. K. Singh and A.K. Gupta, Ultrasonic Properties of Plutonium Monochalcogenides DOI: 10.13189/ujpa.2014.020101; Universal Journal of Physics and Application Vol. 2, No. 1, pp. 1-6: **Google Scholar**

97. Nidhi Sindwani, Manjit Singh, "Comparison of adaptive mutation genetic algorithm and genetic algorithm for transmit antenna subset selection in MIMO-OFDM" in IJCA, ISSN: 2156-5570, 2014: **Google Scholar**.

98. Nidhi Sindwani, Manjit Singh, Adaptive Mutation Based genetic Algorithm for transmit antenna subset selection in MOMO OFDM system in IJRET, ISSN: 2319-1163, Feb 2014.

99. Rashimi Vashisth, Smit Chabbra, et.all, Color Based motion tracking, ICCIN-2K-14.

100. Shivani Verman & S.Kumar (2014). High Performance VLSI architecture for turbo dewdess with QPP Interleaver, International Journal of Electronics, DOI: 10.1080/00207217.2014.917719.

101. Shivani Verman, Vishesh Garg, Bhawna Tiqari, Himani Joshi, Raushar Kumar, Rekha Yadav (2014). Power comparison of 3GPP-LTE QPP interleaver and poralled recursive QPP Interleaver. To be published in proceedings of National Conference on RF and Wireless Communication Networks (NCRWCN-2014), Dec 5-6, 2014.

102. Shivani Verma, Sudip Das, Hemant Singh Rathore, Neha Rawal and Abhishek Mishra (2014). Analysis of BER performance of Turbo Encoder. To be published in proceedings of National Conference on RF and Wireless Communication Network (NCRWCN-2014) , Dec 5-6, 2014.

103. Rachana Nagal, Pradeep Kumar, Poonam Bansal "An approach to implements LMS & NLMS adaptive noise cancellation algorithm conference 'Confluence'- 14", pp 871-876, September 2014.

2013

104. Bindu.E, et.al, "Impact of fading correlation, polarization Coupling and keyholes on MIMO detectors for V-blast architecture" International Journal of Mobile Network Communications & Telematics (IJMNCT), (ISSN 1839-5678), Vol. 3, No.4, August 2013, pp 65-74. DOI : 10.5121/ijmnct.2013.3406.

105. Devraj Singh, S. Kaushik, Sudhanshu Tripathi, V.Bhalla and A.K.Gupta, Temperature Dependent Elastic and Ultrasonic Properties of Berkelium Monopnictides; DOI: 10.1007/s13369-013-0845-1; The Arabian Journal for Science and Engineering Vol. 39, pp – 485-494, No 1 (IF=0.385:SCOPUS): **SCOPUS; Google Scholar**

106. A.K. Yadav, Devraj Singh, V.Bhalla and Sudhanshu Tripathi, Temperature Dependent Elastic and Ultrasonic Properties of Iron Aluminide DOI:10.13189/ujms.2013.010208; Universal Journal of Materials Science Vol. 1, No. 2, pp. 56-62: :**Google Scholar**

107. A.K. Gupta, A. Gupta, Sudhanshu Tripathi, V.Bhalla and Devraj Singh, Ultrasonic Properties of Hexagonal Closed Packed Metals DOI:10.13189/ujms.2013.010209; Universal Journal of Materials Science Vol. 1, No. 2, pp. 63-68: **Google Scholar**

108. Mahesh Vashisth Design of a robotic arm with gripper & end effector for spot welding DOI: 10.13189/ujme.2013.010303 Universal Journal of Mechanical Engineering(HR publication USA) ISSN: 2332-3361. **Google Scholar**

109. Shivani Verma, Vishesh Garg, Bhawna Tiwari, Himani Joshi, Rausher Kumar, Rekha Yadav (2013). Performance and power analkysis of different implementations of QPP Interleaver. Proceedings of the International Conference on Recent Trends in Operations Research, pp 105-108, 11th – 12th April, 2013.

List of Research Publications by CSE / IT Department

2016

110. Nidhi Malik, Aditi Sharan, "Semantic Web oriented framework for Knowledge Management in Agriculture Domain". International journal of Web Applications. 2016.

111. Vashisht, Priyanka, Anju Sharma, and Rajesh Kumar. "Strategies for replica consistency in data grid–a comprehensive survey." Concurrency and Computation: Practice and Experience (2016).

112. Ashok Kumar Yadav, Rajesh Mehta, Raj Kumar and Virendra P. Vishwakarma, " Lagrangian Twin Support Vector Regression and Genetic Algorithm based Robust Grayscale Image Watermarking," Multimedia Tools and Applications, 10.1007/s11042-016-3381-7, 2016 (Accepted, IF=1.346).

113. Rajesh Mehta and Virendra P. Vishwakarma, "Grayscale image watermarking using local coupled extreme learning machine in wavelet domain," International Conference on Quality, Reliability, Infocom Technology and Business Operations, University of Delhi (Springer, Accepted & Presented, 2016).

114. Rajesh Mehta et.al. "Attribute reduction on method using the combination of entropy and fuzzy entropy" in Springer

115. Ram Paul Hathwal, Rajesh Kumar Gupta, Singara Singh Kasana, "Performance Analysis of Image Denoisimg for Medical Resonance Imaging", International Journal of Computer Application, vol. 136, no 12, pp 17-22, 2016.

116. Aditi Khanna, Mandeep Mittal, Prena Gautam and Chandra K. Jaggi ,"Credit financing for deteriorating imperfect quality items with allowable shortages". International Journal of Decision Science Letters, Vol. 5(1), 45-60. (SCOPUS INDEXED),DOI:10.5267/j.dsl.2015.9.001,2016.

117. Reshu Agarwal, Mandeep Mittal, Sarla Pareek "Loss Profit Estimation Using Temporal Association Rule Mining", International Journal of Business Analytics, Vol. 3(1), pp. 45-57, DOI: 10.4018/IJBAN.2016010103,2016.

118. Dongmin Shin, Rekha Guchhait, Biswajit Sarkar and Mandeep Mittal , "Controllable lead time, service level constraint, and transportation discounts in a continuous review inventory model ", RAIRO - Operations Research (Accepted), (SCIE INDEXED), I.F. = 0.405,2016.

119. Dongmin Shin, Mandeep Mittal and Biswajit Sarkar (2016) "Effects of human errors and trade-credit financing in a two-echelon supply chain model". European Journal of Industrial Engineering (SCIE). (Accepted).

120. Pooja Singh & et al. (2016)" A NOVEL ENERGY AWARE ROUTING APPROACH USING ANN TECHNIQUE WITH DATA FUSION IN WSN: REVIEW" , in International journal of Computer Applications (IJCA), May 2016 edition. Digital Library URI : http://www.ijcaonline.org/arch ives/volume143/number10/25113- 2016910376.

121. Mandeep Mittal, Aditi Khanna and C K Jaggi (2016), "Credit financing for defective and deteriorating items under inflationary conditions", International Journal of Production Management. (Accepted, Scopus indexed).

122. Rashmi et.al., "Attribute redvetion method using the combination of entropy & fuzzy entirety in SPRINGER book series on (LNDECT).

123. Rashmi et.al., "A data redvetion method based on indes-cervinity & rough entropy for uncertain system" is accepted at IEEE Technically sponsored intelligent system.

124. Aakanshi et.al. "A survey on code clone and its behavior" in springer book series on (LNDECT).

2015

125. Ashok Yadav, Rajesh Mehta, Raj Kumar, "Gray Scale Image Watermarking using Fuzzy Entropy and Lagrangian Twin SVR in DCT Domain," In Eighth International Conference on Contemporary Computing (IC3), IC3-2015, Jaypee Institute of Information Technology, 2015.

126. Ashok Yadav, Rajesh Mehta, Raj Kumar, Virendra P. Vishwakarma, "Robust Image Watermarking using combination of LTSVR and genetic algorithm," *International Journal of Multimedia Tools and Applications, Springer, Sep*- 2015. (Accepted).

127. Rajesh Mehta, Navin Rajpal and Virendra P. Vishwakarma," Robust Image Watermarking Scheme in Lifting Wavelet Domain Using GA-LSVR Hybridization", International Journal of Machine Learning and Cybernetics, Springer Verlag Published online, 5th Jan. 2015.

128. Mandeep Mittal, Sarla Pareek and Juhi Singh (2015) " Modified Replenishment Policy for Multi-Item Inventory of Imperfect Quality Items using ABC Classification and Cross Selling Effect", International Journal of Data Science. Publisher: Interscience, UK.

129. Mandeep Mittal, Sarla Pareek and Reshu Agarwal (2015) "Loss Profit Estimation Using Temporal Association Rule Mining", International Journal of Business Analytics. Vol. 2, issue. 4, 2015 Publisher: IGI Global, USA.

130. Mandeep Mittal, Sarla Pareek, Reshu Agarwal (2015) "Ordering Policy Using Temporal Association Rule Mining", International Journal of Data Science.Publisher: Inderscience, UK.

131. Mandeep Mittal, Sarla Pareek and Reshu Agarwal (2015) "Loss Profit Estimation Using Association Rule Mining With Clustering", International Journal of Management Science Letters, Vol. 5, Issue 2, pp. 167-174. Publisher: Growing Science, Canada.

132. Rajesh Mehta, Navin Rajpal and Virendra P. Vishwakarma,"A robust and efficient image watermarking scheme based on Lagrangian SVR and lifting wavelet transform," International Journal of Machine Learning and Cybernetics, Springer Verlag Published online, 11th Jan. 2015.

133. Rajesh Mehta, Navin Rajpal, Virendra P. Vishwakarma, Journal of Signal Processing Systems "Fuzzy Entropy with adaptive strength image watermarking using extreme learning machine in DCT domain", DOI: 10.1007/s11265-015-1055-8.: **SCOPUS; Google Scholar.**

134. Rajesh Mehta, Virendra P. Vishwakarma "International Conference on Signal Processing and Integrated Networks "Lagrangian support vector regression based image watermarking in wavelet domain" Page no 854-859 International Scopus.

135. Rajesh Mehta, International Conference on Contemporary Computing, "Gray Scale Image Watermarking using Fuzzy Entropy and Lagrangian Twin SVR in DCT Domain: **Google Scholar**

2014

136. Mandeep Mittal, Sarla Pareek and Reshu Agarwal, 2014 "Efficient Ordering Policy for Imperfect-Quality Items Using Association Rule Mining," in the International book, "Encyclopedia of Information Science and Technology, 3rd Edition" publisher: IGI- Global, USA, 2014, pp. 773-786, DOI: 10.4018/978-1-4666-5888-2.ch074. : **Google Scholar**

137. Mandeep Mittal et al. 2014 "Ordering Policy for Imperfect-Quality Deteriorating Items with Initial-Inspection and Allowable Shortage under the Condition of Permissible Delay in Payments" in the International book, "Management Science, Logistics, and Operations Research", publisher: IGI- Global, USA, 2014, pp 65-80. DOI: 10.4018/978-1-4666-4506-6.ch005.: **SCOPUS; Google Scholar**

138. Mandeep Mittal, Sarla Pareek and Reshu Agarwal (2014) "Loss Profit Estimation Using Association Rule Mining With Clustering", International Journal of Management Science Letters, Vol. 5, Issue 2, pp. 167-174. Publisher: Growing Science, Canada. : **Google Scholar**

139. Mandeep Mittal, Sarla Pareek and Reshu Agarwal (2014) "Loss Profit Estimation Using Temporal Association Rule Mining", International Journal of Business Analytics, Vol. 2, Issue 4, 2015 Publisher: IGI Global, USA. (In press). : **Google Scholar**

140. Mandeep Mittal, Sarla Pareek and Juhi Singh (2014) " Modified Replenishment Policy for Multi-Item Inventory of Imperfect Quality Items using ABC Classification and Cross Selling Effect", International Journal of Data Science. Publisher: Inderscience, UK (In press).

141. Mandeep Mittal, Sarla Pareek, Reshu Agarwal (2014) "Ordering Policy Using Temporal Association Rule Mining", International Journal of Data Science.Publisher: Inderscience, UK , Volume 1, Issue 2, DOI: 10.1504/IJDS.2015.072419, : **Google Scholar**

142. Mandeep Mittal, Juhi Singh, Amit Aggarwal, Khushboo Kumari and Manan Yadav (2014)" Ordering Policy for Imperfect Quality Itemsets using Cross selling effects," International Journal of Modeling and Optimization, Vol. 4 (1), pp. 25-30. : **Google Scholar**

143. C.K. Jaggi, Mandeep Mittal, Jyoti Gulia, Pankaj Singh and Ruchi Sharma (2014)"Credit financing in economic ordering policies for defective items with order overlapping," *International Journal of Modeling and Optimization*, Vol. 4 (1), pp. 1-4. : **Google Scholar**

144. Mandeep Mittal, C K Jaggi and Aditi Khanna (2014)" Reatiler's Ordering Policy for defective and deteriorating items with permissible delay in payments under inflationary conditions", presented in the International Conference on Innovative Trends in Mechanical, Material, Manufacturing, Automotive, Automobile and Aeronautical Engineering organized by Krishi Sanskriti on 15th-16th February, 2014 at Jawaharlal Nehru University, New Delhi.

145. Mandeep Mittal, Sarla Pareek, Juhi Singh, Akshay Sachdeva, Rahul Kumar and Omkar Arora (2014)" Modifying Inventory Classification Policies Using Loss Rule", presented in the International Conference on Advancements in Computing Sciences, Information Techniques & Emerging E-Learning Technologies(ACSITEET– 2014) organized by Krishi Sanskriti on 22nd-23rd February, 2014 at Jawaharlal Nehru University, New Delhi.

146. Mandeep Mittal *et al.* , "STOCK PRICE FORECASTING USING DATA MINING", presented in the national conference NCRWCN-2014, December, 5 – 6, 2014 at ASET, Bijwasan, New Delhi-110061.

147. Mandeep Mittal *et al.*, "Genetic Model for Supply Chain Inventory Optimization", presented in the national conference NCRWCN-2014, December, 5 – 6, 2014 at ASET, Bijwasan, New Delhi-110061.

148. Pooja Singh, V. Pareek and A. K. Ahlawat, Performance comparison and energy efficient protocols for wireless sensor network in International Journal of computer application (IJCA), March 2014. ID-PXC3894267.:**Google Scholar**

149. Rajesh Mehta, Navin Rajpal ad Virendra, P.Vishwakarma, "Subband discrete Cosine transform based gray scale image watermarking using general reqression neural netwaork", Internation Journal of Signal and Imaging Systems; ISSN:1748-0701.:**Google Scholar**

150. NIdhi Malik, Aditi Sharan 'Quastion classification using domain specific semantic features' International Conference on catemporary computing and informatics, SJCE, Mysore, 27-29 in November 2014.

2013

151. C. K. Jaggi, S. K. Goel and Mandeep Mittal (2013), "Credit financing in economic ordering policies for imperfect quality items with allowable shortages", *Applied Mathematics and Computation* (*AMC*), Vol. 219, pp. 5268-5282. Impact Factor: 1.600, Publisher: Elsevier, USA, DOI:10.1016/j.amc.2012.11.027.: **SCOPUS; Google Scholar**

152. C. K. Jaggi, Mandeep Mittal and Aditi Khanna (2013), "Effects of inspection on retailer's ordering policy for deteriorating items with time-dependent demand under inflationary conditions', *International Journal of Systems and Science* (*IJSS*). Vol. 44(9), pp. 1774-1782. Impact Factor: 1.579, Publisher: Taylor & Francis, UK, DOI:10.1080/00207721.2012.704088. : **SCOPUS; Google Scholar**

153. Mandeep Mittal, Rajiv Kumar and Surbhi Agrawal (2013)" Effects of Inspection on Retailer's Ordering Policy for Deteriorating Items with Shortage Backordering", presented and published in the proceedings of the National Conference on Recent Trends in Operations Research, 11-12 April, 2013 at Amity School of Engineering and Technology, Bijwasan, New Delhi.

154. Mandeep Mittal, Juhi Singh, Amit Aggarwal, Khushboo Kumari, Manan Yadav and Akansha Anand (2013) " Inventory Decisions in Supply Chain Management using Data Mining", presented and published in the proceedings of the National Conference on Recent Trends in Operations Research, 11-12 April, 2013 at Amity School of Engineering and Technology, Bijwasan, New Delhi.

155. Jitender Tanwar, Mandeep Mittal and Sanjay Tyagi (2013) "Improvement in software complexity using code optimization and program slicing techniques", presented and published in the proceedings of the National Conference on Recent Trends in Operations Research, 11-12 April, 2013 at Amity School of Engineering and Technology, Bijwasan, New Delhi.

156. Vijay Kumar, Mandeep Mittal, Deepti Agrawal, Naveen Kumar, Laxmi and Vivek Gupta (2013) "Optimization of functional test cases using Genetic Algorithm after Prioritization", presented and published in the proceedings of the National Conference on Recent Trends in Operations Research, 11-12 April, 2013 at Amity School of Engineering and Technology, Bijwasan, New Delhi.

157. Pooja Singh, Vikas Pareek and Anil K. Ahlawat, A review of Data revision in WSN routing in Ciit International wireless communication Journal – May 2013 Paper DOI: WC052013005 (http://www.ciitresearch.org/wcmay2013.html) (IF 0.572).

158. Bhawna, Ankit, Ripunjay, and Ruchika, Simulation of vanet using vanet Mobism & NS-2; in CIIT International Journal of wireless communication – Sept 2013, Paper DOI – WC092013001, ISSN: 0974-9756 online ISSN: 0974-9640

159. R. Mehta and N, Rajpal, General regression neural network based image watermarking scheme using fractional DCT-II transform, Article number 6707612, Pages 340-345, 2013 IEEE 2nd International Conference on Image Information Processing, IEEE ICIIP 2013; Shimla, HP; India; 9 December 2013 to 11 December 2013: **SCOPUS; Google Scholar.**

160. R. Mehta and N, Rajpal, A hybrid semi-blind gray scale image watermarking algorithm based on DWT-SVD using human visual system model **,** Article number 6612183, Pages 163-168, 2013 6th International Conference on Contemporary Computing, IC3 2013; Noida; India; 8 August 2013 to 10 August 2013; Category numberCFP1381U-ART; Code 100352, .: **SCOPUS; Google Scholar.**

List of Publication by MAE Department

2016

161. **Jeevan Singh Bisht,** (2016),"Analysis of various parameters in welding",International Journal of recent advances in engineering and technology, Vol.4, pp.57-60.

162. **Puran Singh Dr. Debashis Pramanik & Dr. Ran Vijay Singh,** Fatigue and structural analysis of connecting rod's material due to (C.I) using FEA. International Journal of Automotive Engineering and Technologies Country: Turkey **ISSN 2146-9067, Impact Factor: .876**.

163. **Jyoti Prakash and V.P. Agrawal,** concurrent design of heat exchange with nanofluids for X-abilities using MADM approach, benchmarking" An international journal, Volume 23, Issue 5, pp 1286-1311, 2016.

2015

164. Pankaj Kumar Singh, International Journal of Advances in Engineering Sciences, "Design And Analyse A Spiral Flow Catalytic Convertor", Vol 5, Issue 3, Page no 26-31, ISSN: 2231-2013 e-ISSN: 2231-0347. **Google Scholar**

165. Puran Singh, "Structural and Thermal Analysis of Different Piston Materials with Cooling (Due to Combustion Pressure) Using Finite Element Analysis", Vol. 4, Issue 2, Page no 155 – 162, Publisher IJAET, Turkey, ISSN 2146-9067. **Google Scholar**

166. **Puran Singh Dr. Debashis Pramanik & Dr. Ran Vijay Singh,** FEA Analysis Of Fighters Pilot Helmet Design Using Composite Material For Military Aircraft Vol. 8, Issue 1 Journal of Aerospace Technology and Management, ISSN-2157-9145 , indexed in **: SCOPUS - Elsevier Received:** 10/01/2015 **Accepted:** 12/07/2015.

167. **Puran Singh Dr. Debashis Pramanik & Dr. Ran Vijay Singh,** Structural and Thermal Analysis of Different Piston Materials with Cooling (Due to Combustion Pressure) Using Finite Element Analysis . IMR International Journal of Engineering and Technology INDIA , pp. 41-48 ISSN: 0975-4997, Vol 7, No 1 (2015).

168. **Anil Kumar and Raj Kumar,** Thermodynamic analysis of biomass based compact poly refrigeration cycle, 2015, Vol.16, No.02, pp.214-238 , Inderscience

169. **Manander Singh and Suhail Ahmad ,** "Fatigue Life Calculation of Deep Water Composite Production Risers by Rain Flow Cycle Counting Method" published in Proceedings of theASME 2015 34th International Conference on Ocean, Offshore and Arctic Engineering OMAE2015, May 31-June 5, 2015, St. John's, Newfoundland, Canada.

170. **Manander Singh and Suhail Ahmad ,** "Probabilistic Analysis and Risk Assessment of Deep Water Composite Production Riser against Fatigue Limit State" Communicated to Proceedings of the ASME 2015 34th International Conference on Ocean, Offshore and Arctic Engineering OMAE2015, May 31-June 5, 2015, St. John's, Newfoundland, Canada.

171. **Shivdayal Patel, Dr.Suhail Ahmad, Manander Singh,** "Safety and reliability analysis of composites under low velocity impact"Communicated to Proceedings of the ASME 2016 35th International Conference on Ocean, Offshore and Arctic Engineering OMAE2016, June 19-24, 2016, 2015, BEXCO Exhibition & Convention Center, Busan, South Korea.

172. **Rajesh Kumar Saluja, Vineet Kumar, Radhey Sham.** Critical analysis of Indian energy trends and future energy scenario *Young Scientists meet at India International Science festival (IISF)* December 5-7, 2015. IIT Delhi.

173. **Puran Singh Dr. Debashis Pramanik** "Thermal analysis of a fry pan (using composite layers) using finite element method technique National Conference On Paradigms In Mechanical Engineering, Manav Rachna International University March, 2014; ISSN : 2230-729X. Jan 2015

2014

174. Anil Kumar and Raj Kumar, Thermodynamic analysis of a novel compact power generation and waste heat operated absorption, ejector-jet pump refrigeration cycle (IF = 0.616). [Journal of Mechanical Science and Technology](#), 28 (9), pp. 3895-3902: **SCOPUS; Google Scholar.**

175. Puran Singh, Design of a robotic arm with gripper & end effector for spot welding, Universal Journal of Mechanical Engineering Vol. 1(3), pp. 92 - 97 DOI: 10.13189/ujme.2013.010303 **Google Scholar**

176. Puran Singh, Design and Analysis of a micro tunnel boring machines (TBM), Universal Journal of Mechanical Engineering Vol. 2(3), pp. 87 - 93 DOI: 10.13189/ujme.2014.020302 **Google Scholar**

177. Puran Singh, Analysis of composite materials Used in bullet proof vests using Fem technique Research Publication IJSER 10685-B Hazelhurst Houston, TX 77043 USA; ISSN 2229-5518, DOI IJSER, Vol. 3, Issue 5. **Google Scholar**

178. Narender Singh, Mandeep Chahal, Shazad Ahmed, Umesh Garg, Effect of Machining Parameters on output characteristics of CNC Milling using Taguchi optimization technique. IJIET, ISSN 09743146, Vol. 3, pp. 209-214.

179. Narender Singh, Ravinder Khanna, Parveen Yadav, Gaurav Sachdeva, Amit Nara, Experimental study of H-21 punching dies on wise-cut electric discharge machine using Taguchi's method. IJSER, ISSN 2229-5518, Vol. 4, Issue 5, pp. 569-577.

180. Narender Singh, Ravinder Khanna, Sunny Mehra, Sanjeev Verma, Effect of tool on tesile strength in single & double sided friction stir welding. IJSER, ISSN- 2229-5518, Vol. 3, Issue 11, pp. 1-6.

2013

181. Raj Kumar and Anil Kumar, Energy and exergy analysis of compact power generation and hybrid solar energy-waste heat based triple effect ejector-vapour absorption refrigeration cycle International Journal of Air-Conditioning and Refrigeration, , Vol. 21, No. 4, pp 1-14 DOI: 10.1142/S2010132513500235. Google Scholar.

182. Anil Kumar and Raj Kumar, Performance Evaluation of Downdraft Gasifier for Generation of Engine Quality Gas **Natural Resources and Conservation Vol. 1(2), pp. 50 - 54 DOI: 10.13189/nrc.2013.010204** , Vol. 1, No. 2 pp- 50-54, DOI: 10.13189/nrc.2013.010204. Google Scholar**.**