

LIST OF PUBLICATIONS

(Total Number of Papers in Journals=84)

NATIONAL JOURNALS

2014

1.B. P. Singh , Isotopic compoaiton of water in precipitation in the catchment area of the river and the different seasons,” Hydrology J., vol. 37(1-5), Issue 1 - 5 , 2014, ISBN:

2325-9647

Google Scholar

2.D.K. Pandey, D. Singh, V. Bhalla, S.Tripathi and R.R. Yadav, “Temperature dependent elastic and ultrasonic properties of ytterbium mononictides”, Ind. J. Pure Appl. Phys., vol. 52 (5), pp – 330-336, May, 2014, ISSN: 0975-1041 (Online); 0019-5596

Web of Science

SCOPUS
Cited by 1

Google Scholar
Cited by 1

Collaborative

3.S. Prakash, A.K. Agarwal, A. Gupta, S. Garg, S. Jain, S. Sharma and S.S. Jamwal, “A cost-time trade-off Konigsberg bridge problem traversing all the seven bridges allowing repetition” OPSEARCH, 52 (2), pp. 183-200, June 2014. ISSN: 0030-3887 (print)ISSN: 0975-0320 (online)

Web of Science

SCOPUS

Google Scholar
Cited by 1

Collaborative

4.S. K. Chauhan, R. Tuli and P. K. Singh, “A heuristic technique to find parato optimal solutions of the Bicriterion sheet Metal problem” Int. J. Adv. Eng. Sc., vol. 4 (1), pp. 27-34, October, 2014, ISSN: 2331-2013(Print); 2231-0347(online).

Google Scholar

Collaborative

5.S. Kaushik, V. Bhalla and D. Singh, “Temperature dependent elastic and ultrasonic properties of silver halides”, J. Pure Appl. Ultrason., vol. 36(4), pp. 85-90, Oct.-Dec. 2014, ISSN 0256-4637

Google Scholar

Collaborative

2015

- 6.S. Chawla, R. Parashar and R.K. Parashar, "Is Estimation of Residual Free Chlorine in Water by Drop Number Titration Method Reliable? Investigation of statistical, Pragmatic, Psychological and Philosophical reasons", Int. J. Chem. Pharmace. Rev. Res., vol. 2(1), pp. 11-18, Jan., 2015, ISSN No: 2395-3306.

Google Scholar

Collaborative

- 7.S. Chawla and R.K. Parashar, "Environmentally Benign Method for Estimation of Hardness in Water," Int. J. Chem. Pharmace. Rev. Res., vol. 2(1), pp. 49-54, Jan. 2015, ISSN: 2395-3306.

Google Scholar

Collaborative

- 8.P. K. Singh, "Design and analysis a spiral flow catalytic convertor", Int. J. Adv. Eng. Sc., vol 5 (3), pp. 26-31, March 2015, ISSN: 2231-2013(print); ISSN: 2231-0347(online)

Google Scholar

- 9.D. Singh, V. Bhalla, R. Kumar and S. Tripathi, "Behaviour of acoustical phonons in CeAs in low temperature region", Ind. J. Pure Appl. Phys., vol. 53 (3), pp. 169-174, March 2015, ISSN: 0975-1041 (Online); 0019-5596 (Print).

Web of Science

SCOPUS

Google Scholar

Collaborative

- 10.V. Pandey, G. Mishra, M. Wan, D. Singh, A.K. Tiwari, R.R. Yadav and B. Mishra. Characterization of Cu-PVA nanofluids: Ultrasonic and thermal properties, J. Pure Appl. Ultrason., vol. 37(2-3), pp. 33-38, April-Sept. 2015, ISSN 0256-4637

Google Scholar

Collaborative

- 11.R. Tuli and S. Sharma, "Efficient solutions of the interval valued bicriteria shortest path problem", Int. J. Math. Arch., vol. 6(5), pp. 1-9, May 2015, ISSN 2229 – 5046

Google Scholar

Collaborative

12. P. Singh and D. Pramanik, "Structural and thermal analysis of a C.I engine pistons of different materials without cooling using FEM technique," MR Int. J. Eng. Tech., vol. 7(1), pp. 41 – 48, June 2015, ISSN: 0975-4997

Google Scholar

Collaborative

13.S. Singh, R. Tuli and V. Sharma, "Fuzzy bi-criteria problem of clustering ration shops to warehouse sites," Int. J. Knowl. Res. Mgt. E- Com., vol. 5(3), pp:1-7, July 2015, ISSN:2231-203X(Print), 2231-0339 (online)

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

2016

14. Vyoma Bhalla and Devraj Singh, Anisotropic assessment of ultrasonic wave velocity and thermal conductivity in ErX (X: N, As), Ind. J. Pure Appl. Phys., Vol. 54, No. 1, pp. 42-48, January 2016, ISSN: 0975-1041 (Online), 0019-5596 (Print)

Web of Science	SCOPUS	Google Scholar		
----------------	--------	----------------	--	--

15.Vyoma Bhalla, Devraj Singh, Giridhar Mishra and M. Wan, Mechanical and thermophysical properties of europium monochalcogenides, J. Pure Appl. Ultrason., Vol. 38, No. 1, pp. 23-27, Jan-March 2016, ISSN: 0256-4637

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

16.Puran Singh, D. Pramanik, R. V. Singh, Performance Analysis of Diesel Engine on Variable Compression Ratio, MR Int. J. Eng. Tech., 8,1-6, June 2016, ISSN: 0975-4997

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

17.Vyoma Bhalla, Devraj Singh, S. K. Jain and R. Kumar, Ultrasonic attenuation in rare-earth monoarsenides, Pramana-J. Phys., Vol. 86, pp 1355-1367, June 2016, ISSN: 0304-4289 (Print), 0973-7111 (Online)

Web of Science	SCOPUS	Google Scholar	Collaborative	
----------------	--------	----------------	---------------	--

INTERNATIONAL JOURNALS

2014

18.R. Agarwal and P. Nayak, "Linear Multiuser Detectors using Linear, Circular and Concentric Circular Antenna Arrays in CDMA Communication systems", WSEAS Transac. Commun., vol 13, pp. 256-262, Jan. 2014, ISSN: 2224-2864

	SCOPUS	Google Scholar	Collaborative	
--	--------	----------------	---------------	--

19.D. Singh, S. Kaushik, S. Tripathi, V. Bhalla and A.K.Gupta, Temperature dependent elastic and ultrasonic properties of berkelium mononictides, Arab. J. Sc. Eng., vol. 39(1), pp. 485-494, Jan. 2014, ISSN: 1319-8025 (Print) 2191-4281 (Online)

Web of Science	SCOPUS	Google Scholar	Collaborative	
----------------	--------	----------------	---------------	--

20.D. Singh, V. Bhalla, S. Triapthi, V. K. Singh and A.K. Gupta, Ultrasonic properties of plutonium monochalcogenides, Univ. J. Phys. Appl., vol. 2(1), pp. 1-6, Jan. 2014, ISSN: 2331-6535 (Print); 2331-6543 (Online)

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

21.B.P. Singh, Isotopic composition of river water across a continent, Applied Radiation and Isotopes, vol. 85, pp. 14–18, Feb. 2014, ISSN: 0969-8043

	SCOPUS Cited by 1	Google Scholar Cited by 1		
--	-------------------	---------------------------	--	--

22.C.K. Jaggi, M. Mittal, J. Gulia, P. Singh and R. Sharma, "Credit financing in economic ordering policies for defective items with order overlapping," Int. J. Model. Opt., vol. 4 (1), pp. 1-4, Feb. 2014, ISSN: 2010-3697

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

23.M. Mittal, J. Singh, A. Aggarwal, K. Kumari and M. Yadav, "Ordering Policy for Imperfect Quality Itemsets using Cross selling effects," Int. J. Model. Opt., vol. 4 (1), pp. 25-30, Feb. 2014, ISSN: 2010-3697

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

24.H. D. Arora, V. Kumar, A. Dhiman "Weighted Performance Function for (r, s)-Entropy of Discrete Memoryless Communication Channel under Single Constraint", Int. J. Mod. Opt., vol. 4(1), pp.17-20, Feb. 2014, ISSN: 2010-3697

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

25.P.K. Sharma and S. Saini, MHD Flow though Rotating Porous Medium with Radiating Heat Transfer in the Presence of Fluctuating Thermal Diffusion, Univ. J. Appl. Math., vol. 2(2), pp. 92-98, Feb. 2014, ISSN: 2331-6446 (Print), 2331-6470 (Online)

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

26.P. Singh, V. Pareek and A. K. Ahlawat, Performance comparison and energy efficient protocols for wireless sensor network, Int. J. Comp. Appl., vol. 90(4), pp. 14-19, March 2014, ISSN: 0975 – 888

Google
Scholar

Collaborative

27.P. Singh, Design and Analysis of a micro tunnel boring machines (TBM), Univ. J. of Mech. Eng., vol. 2(3), pp. 87 – 93, March 2014, ISSN: 2332-3353 (Print); 2332-3361

Google
Scholar

28.R. Sharma, R. Agarwal and A. Arora, “Performance Analysis of MEMS-based Ultrasonic Transducer with Different Membrane Materials” Rec. Trends Sens. Res. Tech., vol. 1(3), March 2014, ISSN: 2393-8765

Google
Scholar

Collaborative

29.M. Sen, M. G. Dastidar and P. K. Roychoudhury, A comparative study on Biological removal of Cr(VI) by Fusarium Solani under Different Modes of Operational Strategies, Int. J. Eng. Tech. Innov., vol. 4(2), pp. 117-125, April 2014, ISSN: 2223-5329 (Print); 2226-809X (Online)

Google
Scholar

Collaborative

30.S. Prakash, R.K. Saluja and P. Singh, “Pareto Optimal Solutions to the Cost-Time Trade-Off Bulk Transportation Problem through a Newly Evolved Efficacious Novel Algorithm”, J. Front. Big Data, vol. 2(2), pp. 13-25, May 2014.

Google
Scholar

Collaborative

31.P. K. Yadawa , S. K. Verma, G. Mishra and R. R. Yadav, “Effect of Elastic Constants on the Ultrasonic Properties of Group VIB Transition Metal Diborides”, J. Nanotech. Adv. Mat., vol. 2 (1), pp. 1-9, July 2014, ISSN: 2090-9594 (Print), 2090-9608 (Online)

Google Scholar
Cited by 1

Collaborative

32.N. Sindhwani and M. Singh. Comparison of Adaptive Mutation Genetic Algorithm and Genetic Algorithm for Transmit Antenna Subset Selection in MIMO- OFDM. Int. J. Comp. Appl., vol. 97(22), pp. 22-28, July 2014 , ISSN: 0975 – 8887

Google
Scholar

Collaborative

33. N. Sindwani and M. Singh, "Transmit antenna subset selection in MIMO OFDM system using adaptive mutation Genetic algorithm, Int. J. Mob. Netw. Commun. Telem. , vol. 4(4), pp. 17-29 , Aug 2014, ISSN: 2156-5570.

Google
Scholar

Collaborative

- 34.A. Kumar and R. Kumar, Thermodynamic analysis of a novel compact power generation and waste heat operated absorption, ejector-jet pump refrigeration cycle, J. Mech. Sc. Tech., vol. 28 (9), pp. 3895-3902, Sept. 2014, ISSN: 1738-494X (Print) 1976-3824 (Online)

Web of Science

SCOPUS
Cited by 2

Google
Scholar

Collaborative

- 35.P. K. Yadawa, Elastic and Acoustic properties of Hexagonal Cr₂Nb compound, J. Mol. Eng. Mat., vol. 2 (3-4), p.145301 (1-6), Sept. & Dec. 2014, ISSN: 2251-2373(print); 2251-2381(online)

Google
Scholar

Collaborative

36. P. K. Yadawa, "Computation of acoustic wave propagation in II-VI hexagonal Semiconductor". J. Chem. Mat. Res., vol. 1(3), pp-65-70, Sept.-Oct. 2014, ISSN= 2381-3

Google Scholar

- 37.V. Kumar, S.K. Khatri, H. Dua, M. Sharma, P. Mathur, "An Assessment of testing cost with effort dependent FDP and FCP under learning effect: A Genetic Algorithm Approach", Int. J. Rel. Qual. Saf. Eng., vol. 21(6), 1450027 (16 pages), Dec. 2014, ISSN:

(Print), 1793-6

SCOPUS
Cited by 1

Google Scholar
Cited by 1

Collaborative

- 38.P.K.Yadawa, "Characterization of hexagonal Mg and Laves-Phase MgZn₂ by Ultrasonic technique". Afr. Rev. Phys., vol.9, pp. 27-32, 2014, ISSN: 2223-6589

Google
Scholar

- 39.P. K. Yadawa, Non-destructive characterization of superionic conductor lithium nitride, Mat. Sc.-Pol., vol. 32 (4), pp. 626-632, Dec. 2014, ISSN: 2083-1331 (Print) 2083-134X (Online).

Web of Science

SCOPUS

Google
Scholar

2015

40. B.P. Singh, Isotopic composition of water in precipitation due to seasonal variation and variation in intensity of rain fall at a place, Applied Radiation and Isotopes, Volume 95, January 2015, Pages 72–75, ISSN: 0969-8043

SCOPUS

Google Scholar

41. B. P. Singh, Isotopic Composition of Water in Precipitation Falling at Different Altitudes, J. Hydrogeol. Hydrol. Eng., vol. 4(2), 2015, ISBN: 2325-9647

Google Scholar

42. Renu Tuli, S. Sharma, A fuzzy membership approach to obtain efficient solutions of the interval valued bicriteria shortest path problem, Int. J. Turkish Journal of Fuzzy Systems, Vol.6, pp. 001-016, January, 2015, eISSN: 1309-1190.

Google Scholar

43. R. Mehta, N. Rajpal and V. P. Vishwakarma, “Robust Image Watermarking Scheme in Lifting Wavelet Domain Using GA-LSVR Hybridization”, Int. J. Mach. Learn. Cybernet., *First online: 18 January 2015*, pp.1-15, ISSN: 1868-808X (Online)

SCOPUS

Google Scholar
Cite by 2

Collaborative

44. R. Mehta, N. Rajpal and V. P. Vishwakarma, “A robust and efficient image watermarking scheme based on Lagrangian SVR and lifting wavelet transform,” Int. J. Mach. Learn. Cybernet., *First online: 29 January 2015*, *First online: 29 January 2015*, ISSN: 1868-808X (Online).

SCOPUS

Google Scholar

Collaborative

45. M. Mittal, S. Pareek and R. Agarwal, “Ordering Policy Using Temporal Association Rule Mining”, Int. J. Data Sc., vol. 1(2), pp., 157-171, Jan. 2015, ISSN:2053-0811 (print), 2053-082X (online)

Google Scholar

Collaborative

46. P. K. Yadawa, "Elastic and Acoustic Properties of XB_2 (X= V, Nb & Ta) Transition Metal Diborides", J. Mat. Phys. Chem., Vol. 3(1), pp. 1-5, Jan. 2015, ISSN 2333-4436.

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

47. D. Pramanik and P. Singh, "Structural and Thermal Analysis of Different Piston Materials with Cooling (Due to Combustion Pressure) Using Finite Element Analysis", Int. J. Automat. Eng. Tech., vol. 4(2), pp. 155 – 162, Feb. 2015, ISSN 2146-9067.

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

48. V. B. Singh, K. K. Chaturvedi, S. K. Khatri and V. Kumar, "Bug prediction modeling using complexity of code changes", Int. J. Syst. Assur. Eng. Manag., vol. 6(1), March 2015, ISSN: 0975-6809 (Print); 0976-4348 (Online)

	SCOPUS	Google Scholar	Collaborative	
--	--------	----------------	---------------	--

49. O. Singh, P.K. Kapur, A.K.Srivastava and V. Kumar, "Release time problem with multiple constraints", Int. J. Syst. Assur. Eng. Manag., vol. 6(1), pp. 83-91, March 2015, ISSN: 0975-6809 (Print); 0976-4348 (Online)

	SCOPUS Cited by 1	Google Scholar Cited by 1	Collaborative	
--	----------------------	------------------------------	---------------	--

50. P. K. Yadawa, "Interplay between acoustic technetium and nitrides", J. Chem. Mat. Res., vol. 2(2), pp. 62-66, March-April 2015, ISSN 2381-3628.

		Google Scholar		
--	--	----------------	--	--

51. M. Wan, R.R. Yadav, G. Mishra, D. Singh and B. Joshi, "Temperature dependent heat transfer performance of multi-walled carbon nanotubes - based aqueous nanofluids at very low particle loadings", Johnson Matth. Technol. Rev., vol. 59(4), pp. 199-206, July 2015, ISSN: 0869-7876.

	SCOPUS	Google Scholar	Collaborative	
--	--------	----------------	---------------	--

52. S. Pasricha and S. Sharma, "Novel Interleaver Design for Turbo Codes" Wireless Pers. Commun., pp 1-23, First online: 31 July 2015, ISSN: 1572-834X (Online)

Web of Science		Google Scholar	Collaborative	
----------------	--	----------------	---------------	--

53. M. Mittal, S. Pareek and R. Agarwal, "Loss Profit Estimation Using Association Rule Mining With Clustering", Mgt. Sc. Lett., vol. 5(2), pp. 167-174, 2015, ISSN: 1923-9343 (Online); 1923-9335 (Print)

Google Scholar
Cited by 1

Collaborative

54. R. Mehta, N. Rajpal and V. P. Vishwakarma, "Adaptive image watermarking scheme using fuzzy entropy and GA-ELM hybridization in DCT domain for copyright protection", J. Sig. Proces. Syst., First online: 19 October 2015, pp. 1-17, ISSN: 1939-8115 (Online)

Web of Science

SCOPUS

Google Scholar

Collaborative

55. M. Mittal, S. Pareek and R. Agarwal, "Loss Profit Estimation Using Temporal Association Rule Mining", Mgt. Sc. Lett., vol. 2(4), pp= 167-174 , 2015, ISSN: 1923-9343 (Online);1923-9335 (Print)

Google Scholar

Collaborative

56. R. Mehta, N. Rajpal and V. P. Vishwakarma, "Subband discrete Cosine transform based gray scale image watermarking using general regression neural network", Int. J. Sig. Imag. Syst., vol. 8(6), pp. 380-389, 2015, ISSN: 1748-0701.

Google Scholar

Collaborative

57. M. Mittal, S. Pareek and J. Singh, "Modified Replenishment Policy for Multi-Item Inventory of Imperfect Quality Items using ABC Classification and Cross Selling Effect", Int. J. Data Sc., *Forthcoming article*, 2015, ISSN: 2053-082X (online); 2053-0811 (print)

Google Scholar

Collaborative

58. S. Singh, Renu Tuli, Fuzzy bi - criteria problem of clustering ration shops to warehouse sites, Int. J. Knowledge Res. Mgt. E-Commerce, Vol. 5, pp. 001-007, July-Sept. 2015, Print-ISSN: 2231-203X e-ISSN: 2231-0339.

Google Scholar

Collaborative

2016

59. Vijay Kumar and R. Sahni, An effort allocation model considering different budgetary constraint on fault detection process and fault correction process, Decision Sc. Lett., Vol. 5(1), pp. 143-156, January 2016, ISSN 1929-5812 (Online) - ISSN 1929-5804 (Print)

SCOPUS

Google Scholar

Collaborative

60. B P. Singh, New Approach for the Analysis of Isotopic Composition in Precipitation Globally, Hydrol. Current Research, 7 (1), 225 (7 pages), February 2016.

Google Scholar

61. D. Shin, R. Guchhait, B. Sarkar and Mandeep Mittal, Controllable lead time, service level constraint, and transportation discounts in a continuous review inventory model, RAIRO - Operations Research, Jan.-March 2016, ISSN: 0399-0559. 1290-3868e

Google Scholar

Collaborative

62. M. Wan, R. R. Yadav, Devraj Singh, M. S. Panday and V. Rajendran, "Temperature dependent ultrasonic and thermo-physical properties of polyaniline nanofibers reinforced epoxy composites", Composite B (Elsevier), Vol. 87, pp. 40-46, 15 February 2016, ISSN: 1359-8368.

SCOPUS

Google Scholar

Collaborative

63. P.K. Kapur, Vijay Kumar, A.K. Shrivastava, Strategic Price, Warranty and Profit Maximization Model of a Software Product Using Dynamic Optimization, Int. J. Reliab. Qual. Saf. Eng., Vol. 23 (1), 1650002 (18 pages), February 2016, ISSN 1793-6446.

SCOPUS

Google Scholar

Collaborative

64. Rajesh Mehta, N. Rajpal and V. P. Vishwakarma, Adaptive image watermarking scheme using fuzzy entropy and GA-ELM hybridization in DCT domain for copyright protection, J. Sig. Process. Syst., 84(2), 265-281, February 2016

SCOPUS

Google Scholar

Collaborative

65. Vyoma Bhalla, Devraj Singh and S. K. Jain, Mechanical and thermophysical properties of cerium monopnictides, Int. J. Thermophys., Vol. 37 (33), pp. 1-17, S March 2016, SCOPUS, ISSN: 0195-928X (Print) 1572-9567 (Online)

	SCOPUS	Google Scholar	Collaborative	
--	--------	----------------	---------------	--

66. Shashi Chawla, R.K. Parashar, Renu Parashar, Environmentally benign Iodometric method for estimation of copper, J. Integ Sc. Tech. Vol. 42(2), pp. 63-69, March 2016, ISSN: ISSN 2321-4635

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

67. Puran Singh, D. Pramanik, R. V. Singh, Finite element analysis of pilot's helmet design using composite materials for military aircraft, J. Aerosp. Tech. Mgt., Vol. 8(1), pp. 33-39, Jan.-March, 2016, ISSN-2157-9145.

Web of Science	SCOPUS	Google Scholar	Collaborative	
----------------	--------	----------------	---------------	--

68. Puran Singh, D. Pramanik, R. V. Singh, Fluid Flow Analysis of (CI) Muffler's Geometry and Improvements in Performance using FEA, i-Manager's J. Mech. Eng., Vol. 6 (Feb-Apr 2016): pp. 11-16., ISSN 2249-0744

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

69. Devraj Singh, S. Kaushik, S. K. Pandey, Giridhar Mishra, Vyoma Bhalla, Mechanical and thermo-physical properties of neptunium monopnictides, VNU J. Sc.: Math.-Phys., Vol. 32, No. 2, pp. 43-53, April-June 2016, ISSN: 0866-8612

		Google Scholar	Collaborative	
--	--	----------------	---------------	--

70. Vijay Kumar, P Mathur, R Sahni, M Anand, Two Dimensional Multi-Release Software Reliability Modeling for Fault Detection and Fault Correction Processes, International J. Reliab. Qual. Safety Eng., Vol. 23(3), 1640002(15 pages), June 2016, ISSN 1793-6446

	SCOPUS	Google Scholar	Collaborative	
--	--------	----------------	---------------	--

71. P. Singh and Rekha Agarwal, Design of ultra-wideband antenna with triple band notch for minimum EMI, Microw. Opt. Techn. Lett., Vol. 58, pp. 1521-1525, July 2016, ISSN 1098-2760

	SCOPUS	Google Scholar	Collaborative	
--	--------	----------------	---------------	--

72. Priyanka Vashisht, A. Sharma and R. Kumar, Strategies for replica consistency in data grid – a comprehensive survey, Concurrency and Computation: Practice and Experience, July 2016, 1-30 pages, ISSN1532-0634.

SCOPUS

Google Scholar

Collaborative

73. Shivani Verma and S. Sharma, FPGA implementation of low complexity LDPC iterative decoder, Int. J. Electron., 103, 1112-1126, July 2016, ISSN: 1112-1126.

ta, N. Rajpa

SCOPUS

wakarr

Google Scholar

comp

Collaborative

and efficient image watermarking scheme using Lagrangian SVR, Int. J. Multim. Tools Applications, 75(7), 4129-4150, July 2016.

SCOPUS

Google Scholar

Collaborative

75. A. K. Jaiswal, M. Wan, S. Singh, D.K. Singh, R.R. Yadav, Devraj Singh and Giridhar Mishra, August, 2016, Experimental investigation of thermal conduction in copper-palladium nanofluids, J. Nanofluids, Vol. 5, No. 4, pp. 496-501, ISSN: 2169-432X (Print), 2169-4338 (Online)

Google Scholar

Collaborative

76. Satya Prakash, A. Gupta, R. Garg, B. Tanwar, D. Kaushik, and S. Aggarwal, Pareto Optimal Solutions providing optimal routes between every two different nodes in the cost-time trade-off routing network without the objectives being prioritized, OPSEARCH, Vol. 53, pp. 778-807, September 2016, ISSN:

SCOPUS

Google Scholar

Collaborative

77. Rajesh Kumar Saluja, V. Kumar, R. Sham, Stability of biodiesel-A review, Ren. Sust. Energy Rev., Vol. 62, pp. 866-881, September 2016, ISSN:

SCOPUS

Google Scholar

Collaborative

78. R. Sham, Rajesh Kumar Saluja, G. Singh, V. Kumar, S. Parmar, Experimental investigation to study the effects of using hot and partially cold EGR in direct injection diesel engine, Technology, Vol. 4(3), pp. 170-173, September 2016, Online ISSN: 2345-7740 Print ISSN: 2339-5478

Google Scholar

Collaborative

79. Pramod Kumar Yadawa, Effect of temperature dependence ultrasonic velocities and attenuation of GaP nanowires, J. Theo. Appl. Phys., Vol. 10(3), pp. 203-209, September 2016: ISSN:1735 – 9325

SCOPUS

Google Scholar

Collaborative

80. Anil Kumar and R. Kumar, Comparative thermodynamic analysis of compact cogeneration and triple-effect refrigeration cycles, Int. J. Amb. Energy, September, 2016, Print ISSN: 0143-0750 Online ISSN: 2162-8246

SCOPUS

Google Scholar

Collaborative

81. Vyoma Bhalla, Devraj Singh and S. K. Jain, Mechanical and thermophysical properties of rare-earth monpnictides, Int. J. Comput. Mat. Sc. Eng., Vol. 5, No. 3, pp. 1650012 (14 pages), September 2016, ISSN: 2047-6841(Print); 2047-685X (Online)

Google Scholar

Collaborative

82. D. Shin, Mandeep Mittal and B. Sarkar, Effects of human errors and trade-credit financing in a two-echelon supply chain model, Eur. J. Ind. Eng., June 2016, Accepted, , ISSN: 1751-5262

SCOPUS

Google Scholar

Collaborative

83. Ashok Kumar Yadav, Rajesh Mehta, R. Kumar, V. P. Vishwakarma, Lagrangian Twin Support Vector Regression and Genetic Algorithm based Robust Grayscale Image Watermarking, International Journal of Multimedia Tools and Applications, Accepted,

SCOPUS

Google Scholar

Collaborative

84. S. Singh, Renu Tuli, D. Sarode, A Review on Fuzzy and Stochastic Extensions of the Multi Index Transportation Problem, Yugoslav J. of Operations Research, **Accepted** ISSN 2334-6043. DOI: 10.2298/YJOR150417007S

Google Scholar

Collaborative

CHAPTERS IN BOOKS (Total Number of Chapter=04)

2014

- 1.M. Mittal, S. Pareek and R. Agarwal, "Efficient Ordering Policy for Imperfect-Quality Items Using Association Rule Mining," Encyclopedia of Information Science and Technology, 3rd Edition, M. Khosrow-Pour, Ed. Hershey: IGI Global, 2014, pp. 773-786.

Google Scholar
Cited by 3

Collaborative

- 2.C. K. Jaggi and M. Mittal, "Ordering Policy for Imperfect-Quality Deteriorating Items with Initial-Inspection and Allowable Shortage under the Condition of Permissible Delay in Payments" in Management Science, Logistics, and Operations Research, J. Wang, Ed. Hershey: IGI Global, 2014, pp 65-80.

SCOPUS

Google Scholar

Collaborative

2016

3. Juhi Singh, Mandeep Mittal and Sarla Pareek, Optimal Inventory Classification using Data Mining Techniques", Optimal Control and Management Techniques, Book Chapter, IGI Global, USA, , pp. 233-255, March, 2016, ISBN:

Google Scholar

Collaborative

4. Mandeep Mittal, Reshu Agarwal, Sarla Pareek, Customer Behavior Prediction using K-Means Clustering Algorithm : Book Chapter, IGI Global, USA, pp. 256-267, March, 2016

Google Scholar

Collaborative

CONFERENCE PROCEEDINGS (Total Number of Papers=11)

2014

- 1.M. Mittal, C. K. Jaggi and A. Khanna, "Retailer's Ordering Policy for defective and deteriorating items with permissible delay in payments under inflationary conditions," Proceedings of International Conference on Innovative Trends in Mechanical, Material, Manufacturing, Automotive, Automobile and Aeronautical Engineering, New Delhi, 2014.

- 2.M. Mittal, S. Pareek, J. Singh, A. Sachdeva, R. Kumar and O. Arora, "Modifying Inventory Classification Policies Using Loss Rule", Proceedings of International Conference on Innovative Trends in Mechanical, Material, Manufacturing, Automotive, Automobile and Aeronautical Engineering, New Delhi, 2014.
- 3.M. Mittal, "Stock price forecasting using data mining," Proceedings of National Conference on RF and Wireless Communication Network, New Delhi, 2014.
- 4.M. Mittal, "Genetic Model for Supply Chain Inventory Optimization," Proceedings of National Conference on RF and Wireless Communication Network, New Delhi, 2014.
- 5.N. Malik, A. Sharan, "Quastion classification using domain specific semantic features," Proceedings of International Conference on catemporary computing and informatics, Mysore, 2014.

- 6.V. Kumar, P. K. Kapur, A.K. Shrivastava, R. 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, IEEEExplore, Noida, pp.1-6,2014,*

SCOPUS

Google Scholar

- 7.H.D. Arora, V. Kumar, R. Sahni, "Study of Bug prediction modeling using various entropy measures-A theoretical approach" Proceedings of 3rd *International Conference on Reliability, Infocom Technologies and optimization(ICRITO), IEEEExplore, Noida, pp.1-5.2014,*

SCOPUS

Google Scholar

Collaborative

- 8.V. Kumar, A. N. Sharma, N. Taneja, H. Sharma, "Optimal strategy for determining pricing policy of a product under the influence of reworking during production" Proceedings of 3rd *International Conference on Reliability, Infocom Technologies and optimization(ICRITO), IEEEExplore , Noida, pp.1-6,2014,*

SCOPUS

Google Scholar

Collaborative

2016

- 9.Devraj Singh, Vyoma Bhalla, A. Mathur, Meher Wan, P.K. Dhawan, A.K. Jaiswal and R.R. Yadav, June, 2016, Experimental investigation on the thermal conductivity and ultrasonic velocity of propylene glycol based TiO₂ nanofluids, 19th World Conference on Nondestructive Testing, Internationales Congress Center München Messegelände - 81823 Munich - Germany , 13-17 June, 2016.

Google Scholar

Collaborative

- 10.Manjula Vijh, R.S Gupta, Sujata Pandey, Computational Analysis of Potential Profile of III-V Heterojunction Gate-All-Around Tunneling FET for Low Power Digital Circuits, IEEE xplore (Conference Proceedings), 978-1-5090-0774-5

Google Scholar

Collaborative

- 11.Manander Singh, Safety and reliability analysis of composites under low velocity impact, ASME 2016 35th International Conference on Ocean, Offshore and Arctic Engineering OMAE2016, June 19-24, 2016

Google Scholar

BOOKS (Total Number of Books=23)

2014

- 1.Ishwar Singh, Human Values & Professional Ethics, New Delhi: Dhanpat Rai & Co., 2014,140 pages. ISBN 978-81-7700-104-4
- 2.Shashi Chawla, Engineering Chemistry *for JNTU*, 2nd ed., New Delhi: Dhanpat Rai & Co., 2014, 689 pages. ISBN 978-81-7700-111-2
- 3.Shashi Chawla, A Textbook of Environmental Studies *for GGSIPU*, Noida: Tata McGraw Hill, 2014, 56 pages, ISBN: 13:978-1-25-900638-8;10: 93-1-25-900638-7
- 4.Shashi Chawla, Textbook of Engineering Chemistry *for GGSIPU*, 8th ed., New Delhi: Dhanpat Rai & Co., 2013, 516 pages. ISBN 978-81-7700-098-6
- 5.Shashi Chawla, Textbook of Engineering Chemistry *for GBTU*, 8th ed., New Delhi: Dhanpat Rai & Co., 2013, 577 pages. ISBN 978-81-7700-010-8

- 6.Devraj Singh, Engineering Physics, 4th ed., Vol. 1. New Delhi: Dhanpat Rai & Co., 2014, 470 pages. ISBN 978-81-7700-019-1
- 7.Devraj Singh, Integrated Engineering Physics, New Delhi: Dhanpat Rai & Co., 2014, 355 pages. ISBN 978-81-7700-030-6
- 8.Devraj Singh, R. B. Gautam, A. K. Shukla and P. K. Mishra, Applied Physics, 2nd ed., New Delhi: University Science Press, 2014, 574 pages. ISBN 978-93-80386-88-1
- 9.Devraj Singh, J. Kumar and Sudhanshu Tripathi, Circuit Fundamentals and Basic Electronics, New Delhi: IK International, 2014, ISBN 978-93-82332-57-2
- 10.R. R. Yadav, Devraj Singh, S.P. Singh and D.K. Pandey, Modern Physics for Scientists and Engineers, New Delhi: Printice-Hall of India, 2014, 544 pages. ISBN 978-81-203-4858-5

2015

- 11.Shashi Chawla, Textbook of Engineering Chemistry *for PTU*, 7th ed., New Delhi: Dhanpat Rai & Co., 2015, 480 pages. ISBN 978-81-7700-032-0
- 12.Shashi Chawla, Chemistry *for RGPV*, 7th ed., New Delhi: Dhanpat Rai & Co., 2015, 350 pages. 978-81-7700-040-5
- 13.Shashi Chawla, Textbook of Engineering Chemistry *for KTU*, 7th ed., New Delhi: Dhanpat Rai & Co., 2015, 339 pages. ISBN 978-81-7700-168-6
- 14.Sudhanshu Tripathi, S.K. Pandey and Devraj Singh, Electronic Devices, New Delhi: Dhanpat Rai & Co., 2015, 358 pages. ISBN 978-81-7700-109-9
- 15.Devraj Singh, Engineering Physics, 5th ed., Vol. 2. New Delhi: Dhanpat Rai & Co., 2015, 460 pages. ISBN 978-81-7700-020-7
- 16.Devraj Singh, Fundamentals of Optics, 2nd ed., New Delhi: Printice-Hall of India, 2015, 610 pages. ISBN 978-81-203-5146-2
- 17.Devraj Singh, Applied Optics, New Delhi: Printice-Hall of India, 2015, 264 pages. ISBN 978-81-203-5140-0
- 18.Devraj Singh, A Textbook of Engineering Physics, New Delhi: Dhanpat Rai & Co., 2015, 456 pages. ISBN 978-81-7700-169-3
- 19.Devraj Singh and S.K. Pandey, Numerical Problems in Physics, Vol. 1, New Delhi: Narosa, 2015, ISBN 978-81-8487-447-1

2016

- 20.Devraj Singh, Giridhar Mishra and R. R. Yadav, January 2016, Thermal Physics: Kinetic Theory and Thermodynamics, New Delhi :Narosa (www.narosa.com) ISBN: 978-81-8487-457-0 and Oxford: Alpha Science (www.alphasci.com) ISBN:978-1-84265-973-1, Pages: 362.
- 21.S. K. Pandey and Devraj Singh, January 2016, Numerical Problems in Physics, Vol.-II, New Delhi :Narosa (www.narosa.com) ISBN: 978-81-8487-450-1 and Oxford: Alpha Science (www.alphasci.com) ISBN: 978-1-84265-966-3, Pages: 556.
- 22.Mandeep Mittal and Nita H. Shah, Optimal Inventory Control and Management Techniques, IGI Global, USA, March 2016, EISBN13: 9781466698895
- 23.Mandeep Mittal and Shardha Porwal, Programming in C, New Delhi :Narosa (www.narosa.com), March, 2016, ISBN: 978-81-8487-086-22 and Oxford: Alpha Science (www.alphasci.com), March, 2016, ISBN:
-

IPR

List of Patents

Full Patents:

S. No.	Title	Name	Application No.
1.	Suspended Feedback Design of Adaptive Noise	Ms. Rachana Nagal (Assistant Professor, ASET) + Mr. Vaibhav Narula (Alumni)	14202/DEL/2013
2.	A bottle with push button controlled base	Ms. Vishesh Garg + Mr. Amar Arora (Assistant Professor, ASET)	3186/DEL/2012
3.	New Interleaver Design for Turbocodes	Ms. Shivani Verma (Assistant Professor, ASET)	232/DEL/2013
4.	An improved Walking Aid Seating Arrangement for Disable Person With a Sensor and GPS System	Dr. Shashi Chawla (Assistant Professor, ASET)	1443/DEL/2013
5.	Automatic Viscometer	Dr. Shashi Chawla (Assistant Professor, ASET)	1515/DEL/2013
6.	An Improved Measuring Cylinder with Sensor	Dr. Shashi Chawla (Assistant Professor, ASET)	1516/DEL/2013

Provisionally filed:

7.	Robotic arm with gripper for spot welding	Mr. Ritesh Kumar (Assistant Professor, ASET)	3590/DEL/2012
8.	A system and method for real time GPS Tracking	Mr. Vijayanand Kumar (Assistant Professor, ASET)	3590/DEL/2012
9.	Multirate turbo code based image transmission	Mr. Deepak Gambhir (Assistant Professor, ASET)	491/DEL/2013
10.	A Robotic arm with gripper and end effectors for spot welding	Mr. Ritesh Kumar (Assistant Professor, ASET)	2412/DEL/2013
11.	An improved system and method for steering controlled headlights	Mr. Rajesh Saluja (Assistant Professor, ASET)	2698/DEL/2013
12.	An Energy Efficient approach for multimedia Applications in mobile Ad Hoc Network using Range Transmission	Dr. Rekha Agarwal (Director, ASET) & Ms. Pinki Nayak (Assistant Professor, ASET)	N.R.

PEER RATING
ENGINEERING SURVEY 2015 - A++
BEST COLLEGES OF INDIA – RANK 136



Engineering SURVEY-2015

Business & Management Chronicle is presenting the most comprehensive "All India Engineering Colleges Survey -2015". This survey is of extreme importance for the aspirants who seek complete information and do thorough research before taking admission in Engineering Colleges.

The survey findings are completely based on the data submitted by the respective colleges and data obtained from various sources on perceptual view. However, students are required to personally visit the institute & seek information regarding the institutes before taking admission. This is the 4th All India Engineering Colleges Survey being published by B & M Chronicle.

Methodology:

The survey was conducted by B&M Research Team in three phases in 15 states covering cities: Varanasi, Delhi, Gurgaon, Noida, Greater Noida, Chennai, Ahmedabad, Jaipur, Bhubaneswar, Patna, Bengaluru, Hyderabad, Pune, Dehradun, Lucknow, Chandigarh, Dhanbad, Bhopal, Patiala, Coimbatore, Mohali, Shubhashwar, Salem, Erode, Agra, Moradabad, Mathura, Mangalore, Bhalai, Udaipur, Gorakhpur, Ambala, Vadodra, Meerut & Nellore.





Factual Information Collection

Factual Information was collected in the month of April & May 2015 through designed questionnaire by the B&M Research Team which was sent to 740 Engineering Colleges present all over India. A dedicated web link was provided on the website www.chronicleindia.in so that the questionnaire can also be downloaded by the Engineering Colleges from the provided interface. Online advertisements were also published for the Engineering Colleges to participate in the survey. Responses were sought by several reminders, phone calls and emails.

Within the stipulated time, 72 colleges responded with their information, out of which 59 were considered to be used for ratings as 13 colleges either did not meet the eligibility criteria set by the Research Team viz institutes which are fully functional for more than 3 years or lack of complete information & the supporting documents were not sent by the colleges. However, some of the prominent institutes like the IITs and NITs did not participate in our survey inspite of several reminders. They insisted us to take data from their websites but the data was insufficient for complete research, so they were not included in the survey.

Validation of Data Through Physical Survey

The B&M Research Team visited in a good number of participating institutes. The team took a perceptual view from the directors, faculty members, current students, academicians, aspiring students and re-



cruiters. The data submitted by the institutes was validated thoroughly by the research team. Different parameters were critically analysed and perceptual rating was given to the participating institutes by the research team on the findings of physical survey.

Calculation of Score & Final Rating

Finally, in the third phase, an exhaustive scrutiny of gathered information was conducted with the help of rationalized research tools to arrive at the parameter as well as overall rankings.

While scrutinizing the data, important aspects like quality of students, curriculum, intellectual capital of faculty, infrastructure (Library, recreational rooms, canteens, entertainment, hostels, faculty, accommodation and wellness), placement record and industry interaction were taken into consideration. Consequently, and logically too, post this exercise, the marks were then calculated using the weightage decided by the specialist panel for all parameters and sub-parameters.

As per the score allotted to each institute, the colleges were categorized by giving different ratings- A+++, A++, A+, A, B++ and B+. The placement data was analysed critically. This year, in our survey we have presented the data of various companies with the average salary offered to a B.Tech student to give an idea about the placement trends. Also the average package offered by different streams of companies is represented graphically.





Category A+++

Name of Institute	State
National Institute of Technology	Delhi/NCR
BIT Sindh, Dhanbad	Jharkhand
College of Engineering, Pune	Maharashtra
Indian Institute of Technology (Banaras Hindu University)	Uttar Pradesh

Category A++

Name of Institute	State
CMA Institute of Technology, Hyderabad	Andhra Pradesh
Shri Shankaracharya Technical Campus	Chhattisgarh
Amity School of Engineering & Tech.	Delhi/NCR
ITM University, Gurgaon	Delhi/NCR
Siddaganga Institute of Technology	Karnataka
Sagar Institute of Research & Tech.	Madhya Pradesh
Army Institute of Technology, Pune	Maharashtra
Chandigarh Engineering College, Mohali	Punjab
Sri Ramakrishna Engineering College	Tamil Nadu
Vel Tech Rangarajan Dr. Sakunthala RSD Institute of Science Technology	Tamil Nadu



Category A+

Name of Institute	State
Chaitanya Bharathi Institute of Tech.	Andhra Pradesh
Mahatma Gandhi Institute of Technology	Andhra Pradesh
MLR Institute of Technology, Hyderabad	Andhra Pradesh
Rungta Engineering College, Raipur	Chhattisgarh
Rungta College of Engineering & Tech.	Chhattisgarh
Amity School of Engg. & Tech. Manesar	Delhi/NCR
Galgotias College of Engg. & Tech.	Delhi/NCR
G. L. Bajaj Institute of Tech. & Manag.	Delhi/NCR
Institute of Technology, Nirma University	Gujarat
T. John Institute of Technology, Bengaluru	Karnataka
The Oxford College of Engg., Bengaluru	Karnataka
Gandhi Institute for Tech. Advancement	Odisha
Francis Xavier Engg. College, Tirunelveli	Tamil Nadu
Nandha Engg. College (Autonomous)	Tamil Nadu
Sona College of Technology, Salem	Tamil Nadu
Vel Tech Multitech Dr. Rangarajan	Tamil Nadu
Dr. Sakunthala Engg. College, Chennai	Tamil Nadu
Amity School of Engineering & Technology, Lucknow	Uttar Pradesh

Engineering Institutes Survey 2015



BEST COLLEGES IN INDIA



☐ ADD TO COMPARE



Bhagwan Parshuram Institute of Technology

Delhi, Delhi

☐ ADD TO COMPARE



Amity School of Engineering & Technology, Delhi

Delhi, Delhi

☐ ADD TO COMPARE



HMR Institute of Technology & Management

Delhi NCR,
Delhi

☐ ADD TO COMPARE

RMD Engineering College, affiliated to Anna University is a premier institute that provides training in management, technology and engineering

[CAMPUS GUIDE](#)