

Dr B.S.Rawat
Assistant Professor
Department of Physics
Uttaranchal University

RESEARCH PUBLICATIONS:

A. INTERNATIONAL JOURNALS:

1. Geeta Joshi nee Pant, Pramod, **B.S.Rawat**, M.S.M Rawat and G.C.Joshi (2011) "Synthesis, characterization and fluorescence studies of 3, 5-diaryl substituted 2-pyrazolines" *Spectrochimica Acta Part A: Molecular and Biomolecular spectroscopy*, Vol.78, p-1075-1079.
2. Sushil Chandra Sati, **B.S.Rawat**, Nitin Sati, O.P.Sati, and G.C.Joshi (2011) "Estimation of Ratio of excited state and ground state dipole moment of 4-Methyl 7-Hydroxy, Chromen 2-One by solvate- chromic method" *International Journal of Chemistry and Applications*, Vol.3 (1), p-1-9.
3. Pramod Singh, Jagmohan S. Negib, **B. S. Rawat**, M. S. M. Rawat, Geeta Joshi nee Pant, G. C. Joshi (2011) "Solvent Dependent Fluorescence Study of 5-Phenyl-3-[(E)-2-Phenylvinyl]-4, 5- Dihydro-1H-Pyrazole-1-Carbaldehyde" *Acta Chimica Slovaca*, Vol.4, No.2, 2011, 136 – 144.
4. **B. S. Rawat**, P.C. Pant* and G. C. Joshi, (2010) "Energetics study of a natural convection solar crop dryer" *International Journal of Ambient Energy*, Vol.30 (4), p 193-198.
5. K.Singh, **B.S.Rawat**, S.Naithani and G.C.Joshi (2010) "Excitation Wavelength Dependent Fluorescence Anisotropy of Quinine Sulphate Doped in PVA Film" *International Journal of Physics and Applications*, Vol.2 (1), p-73-77.
6. Pramod Singh, **B. S. Rawat**, Jagmohan S. Negib, M. S. M. Rawat, Geeta Joshi nee Pant, G. C. Joshi, K.Thapliyal (2013) "Solvatochromic and single crystal studies of 3-(4bromophenyl) 5-phenyl-4, 5-dihydro-1H-pyrazole-1-carbaldehyde" *Spectrochimica Acta Part A: Molecular and Biomolecular spectroscopy*, Vol 107, p 213-217.

B. NATIONAL JOURNALS:

- 1 **B. S. Rawat**, Gunjan Purohit, K.Singh and G. C. Joshi, (2007). "Drying of *adhatoda vasica*: performance evaluation of a convective type solar dryer". *Journal of Mountain Research*. Vol. 2 p 31-46.
- 2 Gunjan Purohit, Ishan Purohit, **B. S. Rawat** and G. C. Joshi, (2007). "*Solar drying of Mint (Mentha Piperita) and Plash (Bueta Monosperma) using a convective cabinet solar dryer*". *Engineering and Environmental science Journal* Vol. 3(1) p 16-22.
- 3 Ishan Purohit, Gunjan Purohit, **B. S. Rawat**, and G. C. Joshi, (2008). "*Drying of some medicinal produces in Uttarakhand using solar energy*", *Journal of Mountain Research*.; Vol. 3 p 73-85

C. INTERNATIONAL CONFERENCES:

1. Ishan Purohit, Gunjan Purohit, **B. S. Rawat** and G. C. Joshi, (2005) "*Drying of Mentha Piperta and Butea Monosperma by Using Convective cabinet Solar Dryer in Hilly Regions of Uttaranchal*", Proceedings of 4th Asia Pacific Drying Conference (ADC-05), 12-15th December, 976-989, Science City Convention Center Kolkata, India.
2. Gunjan Purohit, Ishan Purohit, **B. S. Rawat** and G. C. Joshi, (2005) "*Drying Characteristic of Amla, Bahera, and Harde in a Cabinet Type Solar Dryer and Open Sun Drying*", Proceedings of 4th Asia Pacific Drying Conference (ADC-05), 12-15th December, 955-975, Science City Convention Center Kolkata, India.
3. **B. S. Rawat**, P.C. Pant* and G. C. Joshi, (2009) "Evaluation of Energy Payback Period of PV home lighting system for some high altitude locations of Uttarakhand" Proceedings of 18th International Photovoltaic Science and Engineering Conference and Exhibition (PVSEC 18), 19-23th, January 2009, *Paper reference number : 8-1p-010*, Science City Convention Center Kolkata, India.
4. **B.S.Rawat**, K.Singh, S. Naithani and G.C.Joshi (2010) "Potophysical properties of β -naphthylamine doped in different polymer matrices" Focus on Microscope (FOM-2010), 28-31 March, Shanghai, China , Abstract book.p-230
5. K.Singh, **B.S.Rawat**, S. Naithani and G.C.Joshi (2010)" Excitation wavelength dependence of emission spectra of polymer films doped with 2-naphthol" Focus on Microscope (FOM-2010), 28-31 March, Shanghai, China, Abstract book .p-229
6. S.Naithani, **B.S.Rawat**, K.Singh, and G.C.Joshi (2010) "Energy transfer in Acriflavin-Rhodamine-B doped PVA film" Focus on Microscope (FOM-2010), 28-31 March, Shanghai, China, Abstract book. P-22
7. Sushil Chandra Sati, **B.S.Rawat**, Nitin Sati, O.P.Sati, and G.C.Joshi (2010)"Absorption, Excitation, Emission Spectra and Quantum yield study of synthesized compound 4-Mehtyl-7-Hydroxy-Chromen-2-ONE"International conference on Recent Frontiers in Applied Spectroscopy (ICORFAS-2010), Abstract book. P-121
8. Pramod, **B.S.Rawat**, Jagmohan S. Negi, Geeta joshi nee pant, M.S.M Rawat and G.C.Joshi (2010) "Comparative Fluorescence studies of 2-Pyrazolines. International conference on Recent Frontiers in Applied Spectroscopy (ICORFAS-2010), Abstract book. P-95

D. NATIONAL CONFERENCES:

1. G. C. Joshi, Gunjan Purohit, **B. S. Rawat** and Ishan Purohit (2006) "*Solar Drying of Ginger, Turmeric and Amla in the Hilly Region of Uttaranchal*", Proceeding in Nationl Seminar on Rural Technologies, 4-5th march, 348-355, Bhopal.
2. **B. S. Rawat**, P.C.Pant, K. Singh and G. C. Joshi (2008) "*Energetics feasibility of Non-convective type solar dryer in case of chilli*", Proceeding in National Seminar on Recent Trends in Renewable Energy Sources and Technologies (PREST) and workshop on Solar Photovoltaic Systems, 26-28th March, 155-168, Uttarakhand.
3. **B. S. Rawat** and G. C. Joshi (2008) "*Energy payback period of home lighting system of 18Wp modules for some locations of Uttarakhand*", Proceeding in National Seminar on Recent

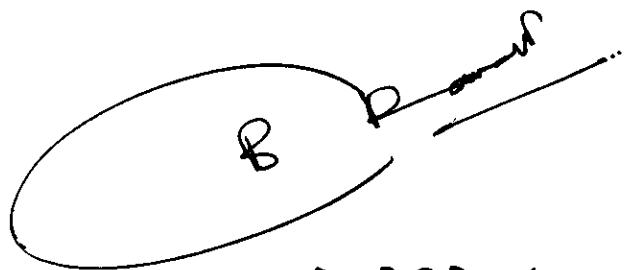
Trends in Renewable Energy Sources and Technologies (PREST) and workshop on Solar Photovoltaic Systems, 26-28th March, 186-192, Uttarakhand.

4. G. C. Joshi, **B. S. Rawat**, K. Singh and Gunjan Purohit, (2008) "*Performace study of solar dryers for various agricultural and medicinal produces in Uttarakhand*" Proceeding in National Seminar on Recent Trends in Renewable Energy Sources and Technologies (PREST) and workshop on Solar Photovoltaic Systems, 26-28th March, 57-72, Uttarakhand.
5. N.S.Panwar, A. Kumar, A. Kandari, **B.S.Rawat**, B.S.Semwal and V. Lingwal (2008) "*Spectrally selective properties of scanning magnetron sputtered TiN-Ag stack (s)*", Proceeding in National Seminar on Recent Trends in Renewable Energy Sources and Technologies (PREST) and workshop on Solar Photovoltaic Systems, 26-28th March, 73-81, Uttarakhand.
6. Parmod Singh, Geeta Joshi nee Pant, Jagmohan S. Negi, M.S.M. Rawat and **B.S.Rawat** (2010), "*Study of Fluorescence properties of Pyrazolines*" 2nd Rashtriya Yuva Vaigyanik Sammelan-2010, Abstract book, 6-7 February, 89, Uttarakhand.
7. **B. S. Rawat**, P.C.Pant, (2010)". An overview on collector tilt of solar dryers of some locations of Uttarakhand" 2nd Rashtriya Yuva Vaigyanik Sammelan-2010, Abstract book, 6-7 February, 67, Uttarakhand.
8. **B. S. Rawat**, and G. C. Joshi, (2012), "*Energetics of solar photovoltaic and photothermal devices in Uttarakhand*" presented in National tanning programme on RETscreen software for evaluation of Renewable energy projects at DAV College Dehradun

E. ATTENED CONFERENCES/WORKSHOPS AND TRAINING PROGRAMMES:

1. Training Program on "Photovoltaic System Design, Operation, Maintenance and Repair of Solar PV Systems", (2005) at Solar Energy Center, Ministry of Non-conventional Energy Sources, Govt. of India, New Delhi.
2. Participated in Physics of Solar Energy "International Year of Physics (IYP) -2005" held by MNES and ASSCP-BHEL, Gurgaon, Haryana
3. Asia Pacific Drying Conference-2005 (ADC-2005) to be held at Science city, Kolkata, organized by Central Mechanical Engineering Research Institute.
4. National Seminar on Rural Technologies to be held at Bhopal (2006), organized by Vijnana Bharti Madhya Pradesh, Bhopal.
5. International Seminar on Forests, Forest Products and Services; Research, Development and Challenges Ahead (2006), organized by Department of Forestry, HNB Garhwal University, Srinagar, Garhwal, Uttaranchal.
6. Participated in Workshop on Physics from atom to Galaxy-theoretical and technical status, (2006), organized by department of Physics, HNBGU.
7. National Workshop On Solid State Nuclear Track Detectors, (2007), organized by nuclear track society of India (NWSSNTD) and deptt. of Physics, swami shukdevanand (P.G.) college, Shahjahanpur (U.P.)
8. 2nd Uttarakhand State Science and Technology Congress (2007), Organized by U-COST Uttarakhand and Kumaun University on 15-18 November at Nainital (UK).

9. National Seminar on Recent Trends in Renewable Energy Sources and Technologies (PREST) and workshop on Solar Photovoltaic Systems, 26-28th March (2008).
10. 3rd Uttarakhand State Science and Technology Congress (2008), Organized by U-COST Uttarakhand and IIT Roorkee on 10-11 November at Roorkee (UK).
11. 4th Uttarakhand State Science and Technology Congress (2009), Organized by U-COST Uttarakhand and GBPUAT on 10-12 November at Pantnagar (UK).
12. Participated in 2nd Rashtriya Yuva Vaigyanik Sammelan-2010 held by Vijnana Bharati, Doon University and UCOST.
13. Participated in the Physics Olympiad Exposure Camp -2010 held by Homi Bhabha Centre For Science Education, TIFR, Mumbai.

A handwritten signature in black ink, consisting of a large, stylized 'B' followed by a horizontal line and a small flourish.

Dr. B.S.Rawat

Dr. Ashish Kumar
Assistant Professor
Department of Physics
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Publications:

Internationals:

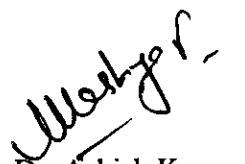
- i) Tripathi S., Pant H. and **Kashyap A.K.**, 2012. Effect of heat treatment on chir-pine and mango wood colour and chemical constituents. Paper Communicated in International Wood Products Journal, United Kingdom. (Under review)
- ii) Tripathi S., **Kashyap A.K.**, and Pant H. 2012. Evaluation of decay resistance of heat treated wood. Paper Communicated in Journal of Tropical Forest Science (JTFS). Malaysia. (Under review)
- iii) **Kashyap A.K.**, Tripathi S. and Pant H. 2012. Improvement of biological resistance of soft and hardwood by heat treatment. In Proceedings of International Union for Forest Research Organization (IUFRO), Division-5, Forest Products, 8-13 July, Estoril Congress Centre, Lisbon, Portugal.

Nationals:

- i) **Kashyap A.K.**, Tripathi S. and Pant H. 2012. Effect of heat treatment on durability of *Pinus roxburghii* wood against decaying fungi. Paper Communicated in Indian Forester, Dehradun, Uttarakhand. . (Under review)
- ii) **Kashyap A.K.**, and Tripathi S. 2011. Effect of heat treatment on decay resistance of chir pine against wood decaying fungi. Paper presented in National Seminar on Advances in Wood Science and Technology Research: Recent Trends, Future Challenges and Opportunities. 9-10 March, Forest Research Institute, Dehradun.
- iii) Tripathi, S., and **Kumar, A.** 2011. Field performance of new environmental-safe wood preservative system- ZIBOC in hard and softwood. Paper presented in National Seminar

on Advances in Wood Science and Technology Research: Recent Trends, Future Challenges and Opportunities. 9-10 March, Forest Research Institute, Dehradun.

- iv) **Kashyap A.K.**, Tripathi S. and Pant H. 2011. Performance of neem seed oil treated *Bambusa nutans* and *Dendrocalamus strictus* in field. Paper presented in National Seminar on Bamboo Propagation, Management and utilization. 17-18 Feb, 2011, Institute Of Wood Science and Technology, Bangalore.
- v) Tripathi S. and **Kumar A.** 2009. Protection of Bamboo from fire and decaying fungus by preservatives and fire retardants. Paper presented in National Seminar on Bamboo "Plantation, Management and Its Utilization. 17-19 March 2009, Arid Forest Research Institute, Jodhpur.
- vi) **Kashyap A.K.** and Tripathi S. 2009. Heat treatment- a direction towards the protection of wood against wood destroying termites. Paper presented in IV National Forestry Conference. 9-11 Nov 2009, Forest Research Institute, Dehradun.
- vii) Pant H, Tripathi S. and **Kashyap A. K.** 2009. Neem oil Evaluation of Chlorpyrifos and Neem oil as wood fumigant: a comparison of synthetic vs ecofriendly fumigant. 4th Uttarakhand state Science and Technology Congress, 10-12 Nov.2009, G.B.P.U.A.T. Pantnagar, Uttarakhand.
- viii) Panwar N. S., **Kumar A.**, Kandari A., Rawat B.S., Semwal B.S. and Lingwal V. 2008. Spectrally selective properties of scanning magnetron sputtered TiN-Ag stack(s). In Proceedings of National Seminar on Recent trends in Renewal energy sources and technology, (RREST) and Workshop on Solar Photovoltaic systems. P-73-81 (26-28 March), H.N.B. Garhwal University, Uttarakhand.


Dr. Ashish Kumar

Publications of ECE Department

Dr. Sanjay Singh

1. **"Analysis & Design of Joint PHY-MAC of IEEE 802.15.4" in IJESTR, Vol. 2, issue 9 Sep 2013, ISSN: 2278-7798.**
2. **"Design of a Wireless sensor Network For multimode Temperature Monitoring" in IJESR vol.2, ISSUE 9, Sep. 2013, ISSN: 2277-2685.**
3. **"Wireless Personal Area Network Based Real time Temperature data Collection using RF Module" in IJESR, Vol.2, issue 10, Oct. 2012, 2277-2685.**
4. **"The Real Time Wireless Sensor Network for Heart Beat Monitoring using Zig bee Module" in IJERST, Vol 1, ISSUE 1, OCT 2012.**
5. **"Automatic Meter Reading in Wireless Sensor Network Using 2.4 GHz Transceiver with Matlab data logger", in ITMSC, Vol 4, No-1, Jan 2011, ISSN-0974-5068.**
6. **Sanjay Singh, Dr. Sukumr Ray Chaudhuri "The Real Time Multi Node Temperature Monitoring in Wireless Sensor Network using Zigbee Module" in International Transactions in Applied Sciences Volume-2 ,No-3, July 2010, PP 403 – 411.**
7. **Sanjay Singh, Dr. Sukumr Ray Chaudhuri , Rajesh Singh " Design of Nodes in Wireless Sensor Network using RF Module" in International Transactions in Applied Sciences Volume-2 ,No-4, Oct to Dec 2010, PP 797 -806.**
8. **Sanjay Singh, Dr. Sukumr Ray Chaudhuri "Software Implementations in Slave Nodes Used in Wireless Sensor Networks "in International Journal of Science ,Technology & Management" Volume-2, Issue-3, July 2011, pp15-23.**
9. **"Wireless Traffic control Using 2.4 GHz Zigbee Module" in Pragyaan Vol 1, Issue 2, DEC. 2011, ISSN: 2249-6645.**
10. **"Image Enhancement using Histogram Equalization Method" in Pragyaan, Vol. 9, Issue 1, Jan 2011: ISSN: 2249-6645 .**
11. **"Study and Performance appraisal of CDWT for Image Processing" in Pragyaan, Vol. 9, Issue 2, 2011: ISSN: 2249-6645.**

12. **"A practical Approach of Complex Dual tree DET for Image Quality improvement and De Noising",** in IJMER, Vol 1, Issue 2 , Nov. 2011, ISSN : 2249-6695.
13. **"Comparative Study of Image Enhancement using Medium & High Pass Filtering Methods"** published in Bioinformatics Journal JIOM, Vol 13 Issue 1 , ISSN : 0976-7754.
14. **Study And Analysis of Wavelet Based Image Compression through Sub- Band Coding** in 6th UCOST-2011, 14-16 Nov 2011.

SANDEEP KUMAR,

1. **"Circularly Polarized Microstrip square patch antenna for improved bandwidth and directive gain"** in IJECET, Volume 4, Issue 2, March – April, 2013, pp. 324-331
2. **"Design of Microstrip square patch antenna for improved bandwidth,"**in International Journal of Engineering & Research Applications vol. 2, issue-2, 2012

Vishwanath Bijalwan :

1. ANALYSIS & DESIGN OF JOINT PHY-MAC MODEL OF IEEE 802.15.4, *IJSETR-VOL-2-ISSUE-9- ISSN:2278-7798.*
2. **"Coexistence model of IEEE 802.15.4 (zigbee) and IEEE 802.11b (WLAN) in ubiquitous network environment"** on International journal of advance research in computer engineering & technology. ISSN 2778-1323

Devender Singh

1. **Devendra Singh , Shyam Lal, & Mahesh Chandra ,**"Performance Evaluation and Analysis of Linear Phase Low Pass Infinite Impulse Response Digital Differentiator," ICFCI-2011 Pentagram Research Center PVT LTD Hyderabad, India.

2. **Rudra Pratap Singh Chauhan, Devendra Singh, Sandeep SinghNegi** "Performance Measure of Redundant Dual Tree Complex DWT for Image De-noising".IFRSA'S 2012
3. **Sanjay Singh, Rudra Pratap SinghChauhan, Devendra Singh,**"Comparitive study of Image Enhancement using Median and High Pass Filtering Method" in Journal of information and operations Management." in SGRRITS Dehradun.

Sudhir Jugran

1. **"Descriptive analysis of Operational Trans conductance Amplifier (OTA)"** International Journal of Computer Science (IJCS), Sep 2013
2. **Design of Wireless Sensor Network Node on Zigbee for Water Level Detection** accepted in IJESR Journal August 2013, (Will be Published Soon)

Vinay Negi

1. **Vinay Negi, Sanjeev Kumar Shah, Sandeep Singh, Arun Shekhar & Tanuja Sundriyal:** "Sufficient Number of Diversity Antennas for 64 QAM over Wireless Fading Channel" International Journal of Engineering Research and Applications (IJERA) Vol.3, Issue.2, March-April. 2013 pp-205-207, ISSN: 2248-9622.
2. **Vinay Negi, Sanjeev Kumar Shah, Sandeep Singh, Arun Shekhar & Tanuja Sundriyal:**"EQUALIZATION OF DOPPLER EFFECT USING CONSTELLATION DIAGRAM OF 8-PSK MODULATION" International Journal of Computational Engineering Research (IJCER) Vol.3, Issue.3, , ISSN: 2250-3005.
3. **Sanjeev Kumar Shah, Vinay Negi and Sandeep Singh :** "Design & Development of a W- Band Crossbar Mixer At 94 GHz", 2013 IEEE ISPPC, JUIT, 26-28 Sept.2013

4. **Sanjeev Kumar Shah, Vinay Negi and Sandeep Singh : "Design and Development of Band Pass Filter at 94 GHz",_Springer Link Digital Library,_Fourth International Conference on Control, Communication and Power Engineering 2013 - CCPE 2013, 26-27 April 2013, Bangalore, INDIA.**
5. **Sanjeev Kumar Shah, Rudra Pratap Singh Chauhan, Sanjay Singh, Lalit Pandey, Sandeep Singh: "Design of a Low Loss RF Mixer in Ku-Band (12 - 18 GHz)", Wireless Engineering and Technology, 2012, 3, 46-50 doi:10.4236/wet.2012.31007 Published Online January 2012 (<http://www.SciRP.org/journal/wet>)**
6. **Sanjeev Kumar Shah, Vinay Negi, Sandeep Singh and Dr. U. V. S. Teotia: "Waveguide to Suspended Stripline Transition Techniques at 94 GHz", International Journal of Modern Engineering Research (IJMER) Vol.3, Issue.1, Jan-Feb. 2013 pp-4843-4845 ISSN: 2249-6645.**
7. **Sanjeev Kumar Shah, Rudra Pratap Singh Chauhan, Sanjay Singh: "A Practical Approach of Complex Dual Tree DWT for Image Quality Improvement and Denoising" International Journal of Modern Engineering Research (IJMER) Vol.1, Issue.2, pp-632-636, ISSN: 2249-6645.**
8. **Sanjeev Kumar Shah, Vinay Negi & Sandeep Singh: "Gain and diversity antennas for 16 QAM over Wireless fading channel" National Conference on Emerging Trends in Power Industry (15th-16th February 2013) organized by Selaqui Institute of Engineering and Technology, Dehradun in association with Uttarakhand Technical University and World Energy Education Foundation.**

Mr. V. K. Srivastava
Assistant Professor
Department of Mathematics
Uttaranchal University, Dehradun

PUBLISHED WORK

- A. "Conformal Para Sasakian Manifolds" *Mathematical Eterna*, Vol.2 ,2012 No.4, 345-356.
- B. "Infinitesimal affine Transformation in a Para Sasakian Manifolds" *Mathematical Eterna*, Vol.2 ,2012 No.4, 357-365.
- C. Recurrent H-Curvature Tensor in a Para Sasakian Manifolds" *Global Journal of Pure & Applied Mathematics* P.(125-133), Vol. 8, No. 2, (2012).
- D. A note on Einstein manifold in P-Sasakian manifold, *International Transactions in Applied Sciences*, Vol. 2, No. 1, p. (161-164), (2010).

CONFERENCES/SEMINARS/WORKSHOPS ATTENDED

- Participated and present a paper entitled " union curves of a sasakian hyper surface curve" In the 2nd National seminar on **Recent Trends in Advancement of Mathematical and Physical Sciences** held on 2010 at D.N. College, Meerut

Dr. AJAY KUMAR

Assistant Professor

Department of Mathematics

Uttaranchal University, Dehradun

Uttarakhand, India

Email – ajaygraph.gkv.math@gmail.com

Website - <https://sites.google.com/site/ajaygraphgkvmath/>

**PAPER PUBLISHED IN NATIONAL / INTERNATIONAL JOURNALS /
PROCEEDINGS**

1. P. Pradhan and **Ajay Kumar**, Graceful Graphs from Hairy Cycles, Journal of Natural and Physical Sciences, 2009, Vol. 23, No. 1-2, pp. 79 – 84, ISSN : 097- 3799.
2. P. Pradhan, **Ajay Kumar**, Debdas Mishra, On Gracefulness of Graphs Obtained from Hairy Cycles, Journal of Combinatorics, Informations & System Sciences , Vol. 35, No. 3 – 4, (2010), pp. 471 – 480, ISSN : 0250-9628.
3. **Ajay Kumar**, P. Pradhan and Debdas Mishra, Larger Graceful Graphs from Smaller Graceful Trees, Proceeding of International Conference of “Challenges and Applications of Mathematics in Science and Technology (CAMIST)” held at NIT Rourkela, 11-13 January 2010, pp. 39 – 46, ISBN : 023-032-875-X.

4. P. Pradhan and **Ajay Kumar**, Graceful Hairy Cycles with Pendent Edges and Some Properties of Cycles and Cycle Related Graphs, Bulletin of The Calcutta Mathematical Society, Vol. 103, No. 3, (2011), pp. 233 – 246, ISSN : 0008-0659.
5. P. Pradhan and **Ajay Kumar**, Metric Dimension of Graceful Graphs, Bulletin of The Calcutta Mathematical Society, Vol. 104, No. 1, (2012), pp. 61 – 76, ISSN : 0008-0659.
6. P. Pradhan and **Ajay Kumar**, Metric Dimensions of Wheels and Related Graphs, News Bulletin of Calcutta Mathematical Society, Vol. 35, No. 10-12 (2012), pp. 14 - 22, ISSN : 0970-8596.

CONFERENCE / SYMPOSIUM / WORKSHOP ATTENDED / PRESENTED RESEARCH PAPERS

1. Presented a research paper “On Gracefulness of Graphs Obtained From Hairy Cycles”, in Eighteenth International Conference of Fourm for Interdisciplinary Mathematics on Interdisciplinary Mathematical & Statical Techniques (ISMT 2009 – FIM XVIII) held at Jaypee University of Information Technology, Waknaghat, (H.P.) India, August 2 – 4, 2009.
2. Presented a research paper “Graceful Graphs from Graceful Trees”, in “National Seminar on Computational Mathematics & Operation Research” held at BK Birla Institute of Engineering & Technology, Pilani, (Rajasthan), India, November 28 – 29, 2009.
3. Presented a research paper “Larger Graceful Graphs from Smaller Graceful Trees” in International Conference on “Challenges and Applications of Mathematics in Science and Technology (CAMIST)” held at NIT Rourkela, January 11 – 13, 2010.

4. Attended the workshop on “Advanced Computing and Software Tools (ACST - 2010)” held at IIIT Noida on Saturday, October 30, 2010.
5. Presented a research paper “Graceful Hairy Cycles with Pendent Edges and Some Properties of Cycles and Cycle Related Graphs” in “International Conference on Recent Development in Mathematical Sciences and Their Applications (ICRDMSA - 2010)” organized by Calcutta Mathematical Society, Kolkata, December 9 – 11, 2010.
6. Presented a research paper “Near α -Labeling of Trees” in “International Colloquium on History of Mathematical Sciences and Symposium on Nonlinear Analysis” organized by Indian Society for History of Mathematics, Kumaun University Nainital, India, May 16 – 19, 2011.
7. Presented a research paper “Metric Dimension of Graceful Graphs” in National Seminar on Innovations and Application in Engineering and Applied Sciences (IAEAS 2011), November 9 – 10, 2011, organized by Faculty of Engineering and Technology, Gurukula Kangri Vishwavidyalaya, Haridwar , Uttarakhand, India.
8. Presented a research paper “Prüfer Sequence and Graceful Trees” in National Seminar on Enhancing Enterprise Value and Competitiveness, February 25, 2012, organized by Swami Darshanand Institute of Management and Technology (SDIMT), Haridwar, Uttarakhand, India.

Mr. Anuj kumar chaudhary
Assistant Professor
Department of Mathematics
Uttaranchal University, Dehradun

PAPERS PUBLISHED

- **On a Production Model with Stochastic Demand for Decaying Items with Partial Back Logging** published in **International Journal of Mathematical Sciences** volume-9, No1-2, January-june 2010.
- **An economic order quantity models with time dependent demand in a supply chain** published in volume 3, January-june 2010. **International Transactions in Applied Sciences**
- **An inventory model for decaying items with the effect of inflation** published in volume 5, January-june 2011 **International Transactions in Mathematical Sciences & Computer.**

SEMINAR ATTENDED:

- Presented a research paper in **19th Annual Conference of Rajasthan Ganitha Parishad & A symposium on Numerical Techniques & Their Applications in Mathematics** under the title **"A two warehouse inventory model for decaying items with inflation and partial backordering"** held at **J.E. College, Jaipur (Rajasthan).**
- Participated and present a paper entitled **"Production inventory System with variable Demand Rate in volume flexible Environment"**. In the International Conference on **"Advances in Mathematics: Historical Developments& Engineering Applications"** held at **G. B. Pant University of Agriculture Technology, Pantnagar, India** in **December 19-22, 2007.**
- Participated and present a paper entitled **"An Inventory Model for Decaying Items with the Effect of Inflation"**. In the National Conference on **Recent Trends in the Advancement of Astronomy and Applied Mathematics** 14-15 November, 2009. held at **Department of mathematics, SGRR(PG) College, Dehradun.**

- Participated and present a paper entitled **“An economic order quantity models with time dependent demand in a supply chain”** In the National Conference on **Computational Mathematics & Operations Research** 28-29 November,2009 held at **BK Birla Institute of Engineering & Technology Pilani (Rajasthan)**.
- Participated and present a paper entitled **“An integrated production inventory model with imperfect production, variable demand and Wei-bull distribution deterioration under inflation”** In the 3rd National seminar on **Recent Trends in Advancement of Mathematical and Physical Sciences** held on 5-6 february,2011 at **D.N. College, Meerut**

MISS. DIPIKA SAXENA
Assistant Professor
Department of Mathematics
UIT, Dehradun

1. Presented a research paper "The identity and inverse of group and its sub group are not same" in 24 march 2012 organized by Banaras Hindu University, in Journal Progress of Maths.

List of Publications

EEE Department

Abhishek Bharatiya

1. Development of Digital Hydro Atlas for Ramganga water shed.
2. Animated Atlas for watershed modeling.

Bhupesh Singh

Integration of Energy Resources.

Dr.Shipra Agarwal

1. IOSR JOURNALS- Topic "The Importance Of Communication Within organizations:A Research on Two Hotels In Uttarakhand" Published in IOSR Journals of Business and Management. Vol.3, Issue 2, July-Aug. 2012.
2. ICCIEMI-2012- Topic "Implementation of International Financial Reporting Standards In Indian Banking Industry" presented a paper in International Conference On Competitiveness & Innovationess In Engineering, Management & Information Technology.
3. Presented a Research Paper on Topic "A Study Of stress among female employees of banks" in national conference on "Change Management" at DIT school of business, Greater Noida.
4. Presented a Research Paper on Topic "Indian Retail- challenges and sustainability of management education and its applications" 2012 at DBIT, Dehradun.
5. Presented a Research Paper on Topic "A Study on Pricing Behaviour of Indian Capitl market with special reference to NTPC" in national conference "Changing perspectives and emerging challenges in management and IT sector" at IMS Dehradun.