

## List of Publications

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### International Journals:

1. **Hemlata Shakya**, Shiru Sharma, “The Effectiveness of Cervical Traction for Neck Pain Using Time-Frequency Features,” *Journal of Advanced Research in Dynamical and Control Systems (JARDCS)*, Issue 6, pp.10-19, (2018).
2. **Hemlata Shakya**, Shiru Sharma, “Quantitative Analysis of Paraspinal Muscle strain during Cervical Traction Using Wireless EMG Sensor,” *International Journal of Biomedical Engineering and Technology (IJBET)*. [Accepted]
3. **Hemlata Shakya**, Shiru Sharma, Neeraj Sharma “The Efficacy of Mechanical Cervical Traction for Cervical Spondylosis Patients,” Submitted in *International Journal of Medical Engineering and Informatics (IJMEI)*. [Accepted]
4. **Hemlata shakya**, Shiru Sharma, “A Survey on EMG Biofeedback System,” *International Journal of Bioscience and Biotechnology (IJBSBT)*, Vol.7, no.5, pp. 311-316, (2015).
5. **Hemlata Shakya**, Alok Prakash, Shiru Sharma, Neeraj Sharma, “Clinical Assessment of Muscle Fatigue Using LabVIEW,” submitted in *Journal of Mechanical Science and Technology*. [Under Review]

### International Conferences:

1. **Hemlata Shakya**, Shiru Sharma, “Analysis of Neck Muscle Fatigue during Cervical Traction Treatment Using Wireless EMG Sensor,” International Conference on Computational Strategies for Next Generation Technologies

(NEXTCOM)-2017), held at CT Institute of Engineering, Management and Technology Jalandhar, Punjab, India.

2. **Hemlata Shakya**, Shiru Sharma, Neeraj Sharma, “EMG signal Feature Extraction and Reduction Using Wavelet transform,” International Conference on Recent Trends in Engineering and Material Science **2016**, Jaipur National University, Jaipur, India.
3. **Hemlata Shakya**, Shiru Sharma, Neeraj Sharma, “Hand movement Recognition of EMG Signal Using Wavelet Transform,” International Conference on Biomaterials, Biodiagnostics, Tissue Engineering, Drug Delivery and Regenerative Medicine (BITERM **2016**) IIT Delhi, India.