

## LIST OF PUBLICATIONS

### Journal Publications:

1. Khan, D., **Singh, S.**, Needleman, A. (2017). "Finite deformation analysis of crack tip fields in plastically compressible hardening-softening hardening solids". **Acta Mechanica Sinica**. Vol 33 (1) : pp. 148-158.
2. **Singh, S.** and Khan, D. (2018) "Quasi-statically Growing Crack Tip Fields in Plastically Compressible Hardening and Hardening-Softening-Hardening Solids". **International Journal of Structural Integrity**. Vol 9 (4) : pp. 1-17
3. **Singh, S.** and Khan, D. (2018) "On Fatigue Crack Growth in Plastically Compressible Hardening and Hardening-Softening-Hardening Solids using Crack-Tip Blunting". **International Journal of Fracture**. Vol 213 (2) : pp. 139-155
4. **Singh, S.** and Khan, D., (2018) "Finite deformation analysis of crack-tip fields in plastically compressible hardening solid under cyclic loading". **Procedia Engineering (Accepted)**.

### International Conference Papers:

1. **Singh, S.**, Khan, D., Panda, S. K., (2014) Crack Tip Fields in Compressible Hardening Solids , Proceedings of the International Conference on Multifunctional Materials, Structures and Applications (ICMMSA), December 22-24, 2014, MNNIT, Allahabad, India. pp. 89-92
2. **Singh, S.**, Khan, D., Panda, S. K., (2014) Crack Tip Blunting in Plastically Compressible Hardening-Softening-Hardening Solids , Proceedings of the

- International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM), December 29-31, 2014, IIT, Kharagpur, India. ICTACEM/033
3. **Singh, S.**, Khan, D., Panda, S. K., (2015) Effect of  $T$ - Stress on Crack Tip Fields in Plastically Compressible rate dependent elastic-viscoplastic solids, Proceedings of the International Conference on multifunctional materials for future applications (ICMFA), October 27-29, 2015, IIT (BHU), Varanasi, India. pp.76-77
  4. **Singh, S.**, Khan, D., Panda, S. K., (2016) A Numerical Study of Crack Tip Hydrostatic Stress Fields in Plastically Compressible Hardening Solids, Proceedings of the International Conference on Advances in Functional Materials (AFM), August 8-11, 2016, ICC, Jeju, South Korea.pp.162-163
  5. **Singh, S.**, Khan, D., (2017) Finite deformation analysis of crack-tip fields in plastically compressible hardening solid under cyclic loading, Proceedings of the International Conference on Vibration Problems (ICOVP), November 29-02 December, 2017, IIT, Guwahati, India. ICOVP/223
  6. **Singh, S.**, Khan, D., (2017) On Fatigue crack growth in plastically compressible hardening solids by crack tip blunting, Proceedings of the International Conference on Theoretical, Applied, Computational and Experimental Mechanics (ICTACEM), December 28-30, 2017, IIT, Kharagpur, India. ICTACEM/462