

# Nano Crystal # 6

**Dr. Sajad Hussain Din**

Department of Mechanical Engineering, NIT Srinagar (J&K)

Contact Id: [sajad\\_08phd12@nitsri.net](mailto:sajad_08phd12@nitsri.net)



Dr. Din Sajad Hussain after completing doctoral studies under the supervision of Prof. Nazir Ahmad and Dr. M. A. Shah (Co-Supervisor) in Tribology from NIT Srinagar is working in the department of Mechanical Engineering NIT Srinagar. He obtained his M. Tech in Mechanical System Design from NIT Srinagar. His research field is Chemical Vapour Deposition, Nano indentation, friction, wear and lubrication. Most of his research was accomplished in NAL, IIT Kanpur and IIT Madras. His thesis topic during PhD was “Characterization and properties of Nanocrystalline Diamond Coatings”. He has published his work in various well impacted SCI journals.

## List Of Publications

1. **Din, S. H.**, Shah, M. A., & Sheikh, N. A. (2018). Tribological Performance of Titanium Alloy Ti–6Al–4V via CVD–diamond Coatings. *Journal of Superhard Materials*, 40(1), 26-39.
2. **Din, S. H.**, **Shah**, M. A., & Sheikh, N. A. (2017). Deposition of dual-layer coating on Ti6Al4V. *Surface Topography: Metrology and Properties*, 5(1), 015002.
3. **Din, S. H.**, Shah, M. A., Sheikh, N. A., Najjar, K. A., Ramasubramanian, K., Balaji, S., & RAO, M. R. (2016). Influence of boron doping on mechanical and tribological properties in multilayer CVD-diamond coating systems. *Bulletin of Materials Science*, 39(7), 1753-1761.
4. **Din, S. H.**, Shah, M. A., & Sheikh, N. A. (2016). Effect of CVD-Diamond on the Tribological and Mechanical Performance of Titanium Alloy (Ti6Al4V). *Tribology in Industry*, 38(4).
5. **Din, S. H.**, Sheikh, N. A., & Butt, M. M. (2018). Mechanical and Tribological Behavior of Microcrystalline CVD Diamond Coatings. *Journal of Bio-and Tribo-Corrosion*, 4(2), 27.