List of Publications

I. International Journals:

1. Clusters in light, heavy, super-heavy and super-superheavy nuclei,
   Raj K. Gupta, Sham K. Arun, Dalip Singh, Raj Kumar, Niyti, S.K. Patra,
   P. Arumugam, and B.K. Sharma,

2. Collective Clusterization in Hot and Rotating Nuclei: Preformed-cluster based
   Dynamical Cluster-decay Model,
   Raj K. Gupta, Sham K. Arun, Raj Kumar, and Niyti,

3. Role of static deformation and compact orientation of target nucleus in measured
   fusion, fusion-fission and capture cross-sections of $^{244}$Pu+$^{48}$Ca reaction,
   Raj K. Gupta, Niyti, Monika Manhas, Sigurd Hofmann, and Walter Greiner,

4. Island of stability for superheavy elements and the dynamical cluster-decay
   model for fusion evaporation residue cross sections: $^{48}$Ca+$^{238}$U→$^{286}$112$^*$ as an
   example,
   Raj K Gupta, Niyti, Monika Manhas, and Walter Greiner,

5. Establishing the island of stability for superheavy nuclei via the dynamical
   cluster-decay model applied to hot fusion reaction $^{48}$Ca+$^{238}$U→$^{286}$112$^*$,
12. Island of stability established via the Dynamical cluster decay model applied to hot fusion reaction $^{48}\text{Ca}+^{238}\text{U} \rightarrow ^{286}112^*$, Niyti, and Raj. K. Gupta,

13. Dynamical cluster-decay model applied to barrier modification effects in decay of compound nuclei, and shell stability in superheavy mass region. Raj K. Gupta, Niyti, Raj Kumar and Manie Bansal,

14. Barrier Modification Effects in Fusion Reactions using the Dynamical Cluster-decay Model: $^{48}\text{Ca}+^{238}\text{U} \rightarrow ^{286}112^*$ as an Example, Niyti and R. K. Gupta,