List of Publications

I. International Journals:

1. Role of surface energy coefficients and nuclear surface diffuseness in the fusion of heavy-ions.
   Ishwar Dutt and Rajeev K. Puri.

2. Systematic study of the fusion barriers using different proximity-type potentials for $N = Z$ colliding nuclei: New extensions.
   Ishwar Dutt and Rajeev K. Puri.

3. Analytical parametrization of fusion barriers using proximity potentials.
   Ishwar Dutt and Rajeev K. Puri.

4. Comparison of different proximity potentials for asymmetric colliding nuclei.
   Ishwar Dutt and Rajeev K. Puri.

5. Study of fusion dynamics using Skyrme energy density formalism with different surface corrections.
   Ishwar Dutt and Narinder K. Dhiman.

6. A pocket formula for fusion barriers using proximity-type potentials.

7. The role of various ingredients used in proximity potential in heavy-ion fusion reactions: New extension.
II. Symposia/Conferences/Workshops:

8. A pocket formula for fusion barriers.
   Ishwar Dutt, Narinder K. Dhiinan, and Rajeev K. Puri,

9. Role of different Skyrme forces in fusion of heavy-ion reactions.
   Narinder K. Dhiman, Ishwar Dutt, and Rajeev K. Puri,

10. The study of fusion barriers using Skyrme energy density formalism.
    Ishwar Dutt, Narinder K. Dhiman, and Rajeev K. Puri,

11. Analytical parametrization of fusion barriers for different surface effects.
    Ishwar Dutt and Rajeev K. Puri,

12. Significance of surface effects in heavy-ion fusion process.
    Ishwar Dutt and Rajeev K. Puri,

13. Role of surface effects on fusion process using different Skyrme forces.
    Ishwar Dutt and Rajeev K. Puri,

    Ishwar Dutt and Rajeev K. Puri,
15. Fusion of neutron/proton-rich colliding nuclei using different models.
Maninder Kaur and Ishwar Dutt,

16. The role of different surface energy coefficients in heavy-ion fusion studies.
Ishwar Dutt and Rajeev K. Puri

17. Comparison of nucleus-nucleus proximity potential with its new modification.
Rajni Bansal, Ishwar Dutt, and Rajeev K. Puri,
Workshop on Nuclear Reaction Mechanism, Panjab University, Chandigarh, India, Mar. 17-19. (2010).

18. The study of $N > Z$ colliding nuclei using different proximity-type potentials.
Ishwar Dutt,

19. The modified proximity potential and its effect in heavy-ion fusion dynamics.
Rajni Bansal, Ishwar Dutt, and Rajeev K. Puri,

20. Isotopic dependence of fusion cross sections for neutron/proton-rich colliding nuclei using different isospin-dependent models.
Maninder Kaur, Ishwar Dutt, and Rajeev K. Puri,

21. The nuclear surface energy coefficients and its effect in fusion barriers.
Ishwar Dutt, Rajni Bansal, and Rajeev K. Puri,
EURORIB’10, Lamoura, Jura, France, Jun. 6-11 (2010).

22. The role of universal function in fusion barriers.
Rajni Bansal, Ishwar Dutt, and Rajeev K. Puri.
23. Mass dependence of different surface effects in heavy-ion fusion reactions.
   Ishwar Dutt,
   International Symposium on Quasifission Process in Heavy-Ion Reactions, Messina, Italy, Nov. 8-9 (2010).

24. Role of different surface energy coefficients and nuclear radii in the study of heavy-ion fusion reactions.
   Ishwar Dutt,

25. A comparative study of different proximity-type potentials using asymmetric colliding nuclei.
   Ishwar Dutt,