Dear Editor,

I am pleased to submit our manuscript entitled “Projectional Creativity Model” for consideration as an Original Research paper in Cognitive Systems Research.

This work introduces the Projection–Sampling framework, a mathematically grounded and simulation-ready formalism that unifies combinational, exploratory, and transformational creativity under a single process model. Creativity is defined here as the intelligent transformation of a search space, via modifications to projection, sampling policy, or evaluation function, to produce outputs that are simultaneously intelligible, novel, and valuable.

The manuscript makes three key contributions to cognitive systems research:

* A unifying formal mechanism: integrating Boden’s influential typology with a process model that can be operationalised, tested, and compared across domains.
* An explicit account of observer-relativity: formalising creativity as frame-dependent, where the same artefact may be trivial in one representational projection and transformative in another.
* Empirical validation via simulation: implementing six creative agent types and evaluating their performance in two structurally distinct problem domains, demonstrating the concept of creativity–problem fit as a predictive tool for strategy selection.

We think that this paper is directly relevant to Cognitive Systems Research because it addresses creativity as a core capacity of human-level cognition, provides a mechanistic bridge between natural and artificial systems, and establishes a generative design space for creative agents that can inform future work in cognitive architectures, grounded cognition, and human–AI co-creativity. The simulations serve to validate the theory, while the theoretical framework itself can be applied to a wide range of cognitive modelling problems beyond creativity research.

We believe this manuscript will be of interest to the journal’s interdisciplinary readership, including researchers in cognitive science, AI, philosophy of mind, and computational modelling. This work has not been published previously and is not under consideration elsewhere.

Thank you for considering our submission.

Sincerely,

Dr. Ersin Esen