



## **CHAPTER-7**

# **FUTURE PERSPECTIVE**

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✍ There is a need to establish a standardized animal bioassay which could explore the effect of curcuminoids enriched *Curcuma longa* extract on microbiota-gut-brain axis for better understanding of its mode of action. Since many bioactive constituents of *Curcuma longa* are also encountered in other plants of the Zingiberaceae family often used in Ayurvedic formulations, knowledge and know-how evolving from our efforts could be useful for better understanding of their phytochemistry and phytopharmacology as well. The bioassay systems and experimental strategies used in this study could also be used for discovering and developing "poly pills" containing metformin and bioactive constituents of *Curcuma longa*.