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**10. Patents applied in the respective field:**

- a) Mirza S Baig, Rajat Atre, and Rahul Sharma "A COMPOSITION FOR SEPSIS AND METHOD THEREOF", Indian Provisional Patent Application No. 202321038927 (submitted), Indian Patent Office (IPO), Govt. of India.
- b) Mirza S Baig, Rajat Atre "NOVEL COMPOUND AND METHOD THEREOF TO ADDRESS THE TIRAP MEDIATED CHRONIC INFLAMMATORY SIGNALLING", Indian Provisional Patent Application No. 202321075088 (submitted), Indian Patent Office (IPO), Govt. of India.