Section A-Research paper

Formulation Development and Pharmacological Evaluation of Fixed Dose Combination of Saffron, Olive Oil and Coenzyme Q10 Against Doxorubicin Induced Cardio Toxicity In Rat.

¹Mr. Mohammad Muztaba, ²Mr. Brijesh Kumar Saroj, ³Dr. Mohd Ruman Khan,
 ⁴Dr. Rohitas Deshmukh, ⁵Mr. Mangesh Vilasrao Tote, ⁶Dr.Kiran Balasaheb Aher,
 ⁷Mr. Kaware Amar Ashruba, ⁸Mrs. Sakshi Aole

¹Praduman Singh ShikshanPrashikshanSansthan Pharmacy College, Sansarpur, Phutahiya, Basti- 272001 ²Krishak College of Pharmacy, Rajgarh, Mirzapur, Uttar Pradesh. Pin code;- 231210

³ Rakshpal Bahadur college of Pharmacy, Near ITBP camp, Bukhara turn, Bareilly, Utter Pradesh. Pin Code: 243001
⁴Institute of Pharmaceutical Research, GLA University, Mathura Uttar Pradesh. Pin code:-281406

⁵ Oriental College of Pharmacy, Sector 2 Plot no. 3,4,5 Behind Sanpada railway Station, Thane, Maharashtra.

Pin code:- 400705

⁶Shri Vile Parle Kelavani Mandal's Institute of Pharmacy, Dhule, Maharashtra. Pin code:- 424001

⁷SBSPM's B.Pharmacy college , Ambajogai ,Dr. Babasaheb Ambedkar University, Aurangabad, Beed, Maharashtra.

Pin code: 431515,

⁸School Of Pharmacy, LNCTU, Near J K. Hospital, Kolar Road, Bhopal, Madhya Pradesh. Pin Code:- 462041

Corresponding Author

¹Mr. Mohammad Muztaba

¹Praduman Singh ShikshanPrashikshanSansthan Pharmacy College, Sansarpur, Phutahiya, Basti- 272001

ABSTRACT

The present study aims at formulation development and pharmacological evaluation of fixed dose combination of saffron(*Crocus sativus*) extract, olive oil and coenzyme Q10 (CoQ10) against doxorubicin induced myocardial toxicity in rats. Formulation (emulsion) was prepared using dry gum method (continental method), by using pestle and mortar. The formulation was characterized by performing stability studies which includes flocculation and creaming, cracking, phase inversion and

