

1 SUPPLEMENTARY DATA

Model for simulated fluids		Cinnamon drug loaded nanoemulsion			Clove drug loaded nanoemulsion			Eugenol drug loaded nanoemulsion		
		R ²	Slope	Intercept	R ²	Slope	Intercept	R ²	Slope	Intercept
Zero Order Model	SGF	0.8231	0.0865	1.7408	0.949	0.306	-1.703	0.823	0.102	2.6683
	SGS	0.9285	0.1749	-0.8963	0.9817	0.2892	0.1958	0.9227	0.3955	-2.6808
	ALF	0.909	0.2028	1.1975	0.9588	0.2541	-2.3338	0.9877	0.2268	-1.2121
First Order Model	SGF	0.8283	-0.0004	1.9925	0.949	-0.306	101.7	0.823	-0.102	97.332
	SGS	0.9315	-0.0008	2.0053	0.9817	-0.2892	99.804	0.9227	-0.3955	102.68
	ALF	0.9237	-0.001	1.996	0.9588	-0.2541	102.33	0.9877	-0.2268	101.21
Hixon Crowell Model	SGF	0.8262	0.0014	0.0271	0.9543	0.0054	-0.0372	0.8313	0.0017	0.0418
	SGS	0.9308	0.0029	-0.0169	0.987	0.0051	-0.0068	0.9388	0.0073	-0.0604
	ALF	0.919	0.0034	0.016	0.9574	0.0044	-0.0447	0.9817	0.0039	-0.026
Higuchi Model	SGF	0.9152	1.0445	-0.4173	0.8197	3.2564	-6.7981	0.9684	1.267	-0.0816
	SGS	0.795	1.8535	-3.7623	0.8901	3.1529	-5.0567	0.7908	4.1927	-9.172
	ALF	0.9002	2.3113	-3.0646	0.7737	2.6136	-6.0409	0.8214	2.3678	-4.7255
Korsmeyer Peppas Model	SGF	0.955	0.5078	-0.0378	0.6645	0.8578	0.7217	0.9858	1.7538	0.0395
	SGS	0.7273	0.602	-0.2025	0.9514	1.294	0.1869	0.5803	0.7175	0.8256
	ALF	0.8392	0.7011	-0.155	0.7411	1.1097	0.6034	0.8592	1.301	0.3988

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3 **Table S1: External factors evaluation matrix analysis for the release of Isoniazid in**
4 **three different simulated body fluids.**

Model for simulated fluids		Cinnamon drug loaded nanoemulsion			Clove drug loaded nanoemulsion			Eugenol drug loaded nanoemulsion		
		R ²	Slope	Intercept	R ²	Slope	Intercept	R ²	Slope	Intercept
Zero Order Model	SGF	0.9259	0.0799	1.6371	0.9499	0.2578	-1.7404	0.9143	0.2315	1.4742
	SGS	0.93	0.1749	-0.8963	0.9819	0.1444	1.2346	0.9679	0.2019	-1.7113
	ALF	0.865	0.2327	0.9133	0.9782	0.2836	-2.0946	0.9551	0.3453	0.035
First Order Model	SGF	0.9259	-0.0799	98.363	0.9499	-0.2577	101.74	0.9143	-0.2315	98.526
	SGS	0.93	-0.1749	100.9	0.9819	-0.1444	98.765	0.9679	-0.2019	101.71
	ALF	0.865	-0.2327	99.087	0.9782	-0.2836	102.09	0.9551	-0.3453	99.965
Hixon Crowell Model	SGF	0.9314	0.0013	0.0253	0.9515	0.0044	-0.0351	0.9235	0.004	0.019
	SGS	0.9324	0.0029	-0.0169	0.986	0.0024	0.0173	0.9692	0.0034	-0.0313
	ALF	0.8705	0.004	0.8705	0.9711	0.005	-0.0445	0.9651	0.0063	-0.0132
Higuchi Model	SGF	0.9809	1.0414	0.3433	0.7968	2.7033	-5.802	0.8979	2.6269	-3.3264
	SGS	0.7964	0.4297	2.7962	0.943	1.6206	-1.6551	0.7986	2.1002	-4.7915
	ALF	0.8453	0.3209	2.1397	0.7948	2.927	-6.29	0.8701	3.7743	-6.2899
Korsmeyer Peppas Model	SGF	0.9889	0.4757	-0.0064	0.6966	0.9826	0.672	0.9448	1.3338	0.1873
	SGS	0.7251	0.6022	-0.2033	0.9812	1.6648	0.0998	0.5398	0.8198	0.9146
	ALF	0.8156	0.7286	0.1781	0.8782	1.2687	0.3589	0.9299	1.1962	0.2251

Table S2: External factors evaluation matrix analysis for the release of Pyrazinamide in three different simulated body fluids.

Model for simulated fluids		Cinnamon drug loaded nanoemulsion			Clove drug loaded nanoemulsion			Eugenol drug loaded nanoemulsion		
		R ²	Slope	Intercept	R ²	Slope	Intercept	R ²	Slope	Intercept
Zero Order Model	SGF	0.9494	0.0191	0.2496	0.7498	0.0108	0.4246	0.9029	0.0558	-0.3375
	SGS	0.9499	0.0485	-0.2242	0.9362	0.102	-1.983	0.9514	0.0645	-0.4358
	ALF	0.9865	0.1231	0.8554	0.9313	0.1117	-1.5083	0.9575	0.2548	-2.1842
First Order Model	SGF	0.9494	-0.0191	99.75	0.7498	-0.0108	99.575	0.9029	-0.0558	100.34
	SGS	0.9499	-0.0485	100.22	0.9362	-0.102	101.2	0.9514	-0.0645	100.44
	ALF	0.9865	-0.1231	100.86	0.9313	-0.1117	101.51	0.9575	-0.2548	102.18
Hixon Crowell Model	SGF	0.9473	0.0003	0.0041	0.7436	0.0002	0.0068	0.9017	0.0009	-0.0055
	SGS	0.9506	0.0008	-0.0035	0.9371	0.0016	-0.0195	0.9535	0.001	-0.0069
	ALF	0.9837	0.0002	-0.015	0.932	0.0018	-0.0246	0.9592	0.0044	-0.0417
Higuchi Model	SGF	0.9424	0.2177	-0.1529	0.9152	1.0445	-0.4173	0.9152	1.0445	-0.4173
	SGS	0.7954	0.5082	-0.9858	0.9152	1.0445	-0.4173	0.9152	1.0445	-0.4173
	ALF	0.8056	1.2737	-2.6954	0.9152	1.0445	-0.4173	0.9152	1.0445	-0.4173
Korsmeyer Peppas Model	SGF	0.2934	0.1478	-0.1355	0.2181	0.0776	-0.0878	0.4821	0.2906	-0.1418
	SGS	0.3795	0.2972	-0.2089	0.3197	0.466	-0.3995	0.281	0.4032	-0.3751
	ALF	0.7062	0.5128	-0.202	0.228	0.4857	-0.5182	0.6565	0.6969	-0.296

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7 **Table S3: External factors evaluation matrix analysis for the release of Rifampicin in**
8 **three different simulated body fluid**

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