

## Fundamental & Collaborative Studies

**2012-13**

s.n o.	Title of research study	Period of study	Brief Outcome	Publication source
<b>Concluded: (3)</b>				
1.	Studies on anti-diabetic properties of Homoeopathic preparation of <i>Syzygium jambolanum</i> and <i>Cephalandra-indica</i>	Feb 2010 – Apr 2012 (Concluded)	The present study shows that the homeopathic preparations of <i>Syzygium jambolanum</i> and <i>Cephalandra indica</i> exhibit the antidiabetic effects by improving insulin action through activation of insulin signaling molecules in skeletal muscle of type-2 diabetic rats.	Homeopathy (2013) 102, 160- 171
2.	Protective role of Homoeopathic preparation of <i>Berberis vulgaris</i> to alleviate kidney stone disease and its influence on molecular events leading to Calcium oxalate crystal deposition.	Feb 2010 – Apr 2012 (Concluded)	The findings demonstrate that homeopathic preparation of <i>B. vulgaris</i> possesses strong anti-lithiatic potential when presented at ultra-diluted dose.	Homeopathy (2013) 102, 172- 178  Forsch Komplement med 2014;21:7-12
3.	Pharmacological evaluation of homoeopathic medicines.	Feb 2011 – Feb 2013 (Concluded)	<ul style="list-style-type: none"> <li>• In essence, <i>Lycopodium</i> 30 C was effective to some extent in cardiovascular function.</li> <li>• In memory function, it is found that rats have shown learning and improved memory in all</li> </ul>	Homeopathy (2014) ; 1-5

			<p>potencies of <i>Lycopodium</i> in chronic administration.</p> <ul style="list-style-type: none"> <li>• <i>Lycopodium</i> (Q, 30C, 200C and 1M) has shown significant protection (55-67%) against alcohol induced gastric ulcer.</li> </ul> <p>There was a significant reduction in CBF along with learning and memory functions which were significantly attenuated by the treatment of Merc. sol at all potencies. Results demonstrated the effectiveness of Merc. sol in improving memory function and CBF. Thus, it could be used as a therapeutic agent in dementia.</p>	<p>Indian Journal of Research in Homoeopathy, Volume 11, Issue 1, January-March 2017</p>
<b>Initiated: (3)</b>				
4.	Safety and efficacy studies of Homoeopathic drugs	June 2012	The study revealed the anti-inflammatory, analgesic and acute & sub-acute toxicity of the study drugs ( <i>Bellisperennis</i> , <i>Curcuma longa</i> , <i>Rauwolfia serpentine</i> , <i>Ricinuscommunis</i> , <i>Tribulusterrestris</i> and <i>Terminali aarjuna</i> ) in mice model, which will further help to standardize the mentioned drugs and their clinical uses.	---
5.	Preliminary pharmacological studies of Homoeopathic drugs	June 2012	This study threw light on anti-convulsant and cardiovascular activity of mother tinctures of <i>Bellisperennis</i> , <i>Curcuma longa</i> , <i>Rauwolfia serpentine</i> , <i>Ricinuscommunis</i> , <i>Tribulusterrestris</i> and <i>Terminali aarjuna</i> in mice model.	---
6.	Role of homoeopathic medicines in cancer regression and rejuvenation	June 2012	The study explored the genomic-proteomic factors responsible for cancer cell apoptosis for each remedy, and will validate that each drug type has its unique mode of action on cancer cell line.	---

	of depressed immune system: a mechanism study			
<b>Ongoing: (3)</b>				
7.	A multicenter study on action of homoeopathic medicines and potencies on heart rate variability (HRV) and blood flow variability (BFV) with medical Analyzer System	April 2009	A multi centric study on action of homoeopathic medicines and potencies on heart rate variability (HRV) and blood flow variability (BFV) using medical analyzer system was undertaken with the aim to explore the validation of effectiveness of homoeopathic preparations on physiological variablities. It has been concluded that it is possible to record the response of homoeopathic medicines on physiologic parameters of the autonomic nervous system.	---
8.	To evaluate certain homoeopathic medicines for their immuno-modulatory and antioxidant potential.	April 2009	The in vitro trial with homeopathic medicines indicated that Sel. Had better immunomodulatory potential followed by Aza. And Merc. Sol. For antioxidant potential Aza. Exhibited better potential followed by Sel. Which is better than Merc. Sol. 6 C was best among all the tried potencies.	---
9.	Changes in Electro Physiological markers in muscle fatigue with homoeopathic preparation of Arnica montana – A comprehensive study.	Feb 2011	The study was conducted to understand the scientific outcome using the tools for assessment of muscle fatigue done with appropriate physiological multilevel parameters. The exploratory trial was aimed at measuring muscle fatigue using techniques like Impedance Plethysmography (IPG), Electromyography (EMG), Photoplethysmography (PPG), Pulse Transit Time (PTT), Electrocardiography (ECG) and scales like Visual	

			Analog Scale (VAS) & Rate of Perceived Exertion (RPE) in subjects before and after administration of study drug. The study achieved its required sample size and data of subjects is under process for statistical evaluation.	
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**Publications:**

1. Indigoferatinctoria: an experimental study evaluating its analgesic and behavioural activities in animals. *Indian Journal for Research in Homoeopathy* 2012. Volume 6, Issue 1 & 2.