

Claims

We claim,

- 1] A synergistic composition, being an admixture of active herbal extract
 5 concentrates in particular, having broad spectrum bioactivities, said composition comprising-
- 0.01 % to 15% by weight of *Azadiracta indica*;
 - 0.01 % to 10 % by weight of *Citrus sinensis*;
 - 0.15 % to 10% by weight of *Zea mays*;
 - 10 — 0.01 % to 10% by weight of *Origanum vulgare*;
 - 0.01 % to 15% by weight of *Mentha piperita*;
 - 0.01 % to 12% by weight of *Boswellia serrata*;
 - 0.01 % to 10% by weight of *Citrus bergamia*;
 - 0.01 % to 15% by weight of *Melaleuca alternifolia*;
 - 15 — 0.01 % to 15% by weight of *Eucalyptus globules*;
 - 0.01 % to 15% by weight of *Coriandrum sativum*;
 - 0.01 % to 15% by weight of *Rosemarinus officinalis*;
 - 0.01 % to 15% by weight of *Carum copticum*;
 - 0.01 % to 15% by weight of *Nigella sativa*;
 - 20 — 0.01 % to 10% by weight of *Cymbopogon citrates*;
 - 0.15 % to 15% by weight of *Saccharum officinarum*;
 - 0.02 % to 5.0% by weight of *Ipomoea aquatic*;
 - 0.02 % to 5.0% by weight of *Eleusine coracana*;
 - 0.02 % to 5.0% by weight of *Biophytum sensitivum*;
 - 25 — 0.02 % to 5.0% by weight of *Dioscorea bulbifera*;
 - 0.02 % to 5.0% by weight of *Bambusa bambosa*;
 - 0.02 % to 5.0% by weight of *Taverniera cuneifolia*;
 - 0.02 % to 5.0% by weight of *Camellia sinensis*;
 - 0.02 % to 5.0% by weight of *Vigna vexillata*;
 - 30 — 0.02 % to 5.0% by weight of *Delinea indica*;
 - 0.02 % to 5.0% by weight of *Zingiber officinalis*;
 - 0.1 % to 15.% by weight of *Glycyrrhiza glabra*;
 - 0.02 % to 4.0% by weight of *Ocimum sanctum*;
 - 0.02 % to 5.0% by weight of *Lavandulla sp*;
 - 35 — 0.01 % to 10% by weight of *Mentha arvensis*;

- 0.01 % to 10% by weight of *Syzygium aromaticum*;
- 0.01 % to 10% by weight of Cinnamon spp. selected between *Cinnamon verum* and *Cinnamon zeylanicum*;
- 0.02 % to 5.0% by weight of *Cocos nucifera*;

5 Wherein said composition is formulated using standard formulation agents such as Tween 80, PEG, Sugar and thus characterized in-

- a) being safe for administration to mammalian subjects; and
- b) exhibiting significant broad spectrum bioactivities including anticancer, antiviral, anti-inflammatory and immunomodulatory properties.

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2] A method of preparing a synergistic herbal composition exhibiting broad spectrum bioactivities comprising-

- a) Selection of raw material, being herbal material in particular;
- b) Subjecting the raw material, being herbal material in particular to shade drying;
- 15 c) Powdering the shade dried herbs to obtain individual powders;
- d) Soaking of the individual powders in solvent to result in herbal solutions;
- e) Subjecting the herbal solutions to boiling at 80-100 °C for 60-180 minutes;
- f) Subjecting the herbal solutions to concentrating and purification sub-routines to obtain their respective active extract concentrates;
- 20 g) Mixing the active extract concentrates amidst stirring at 200 to 1000 RPM to obtain an admixture of active extract concentrates;
- h) Sonicating the admixture of active extract concentrates for 15 to 60 minutes for conversion of macromolecules to nano-sized particles;
- 25 i) Leaving the sonicated admixture of active extract concentrates to stand for maturation over 24 to 72 hours;
- j) Subjecting the matured admixture of active extract concentrates to sonication for 15 to 60 minutes;
- 30 k) Adding standard formulation agents such as Tween 80, PEG, Sugar for resulting in a stable formulation of the matured admixture of active extract concentrates.

3] The method of preparing a synergistic herbal composition exhibiting broad spectrum bioactivities as claimed in claim 2, wherein the step of shade drying is carried out over 3 to 7 days.

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- 4] The method of preparing a synergistic herbal composition exhibiting broad spectrum bioactivities as claimed in claim 2, wherein in the step of dissolving the powders in solvents, said components are admixed at a ratio of 1:25 over a period of 24 to 72 hours.
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- 5] The method of preparing a synergistic herbal composition exhibiting broad spectrum bioactivities as claimed in claim 4, wherein the solvents used are selected among the group comprising polar and non polar organic solvents, alcohols, ethyl alcohol and water in particular, their equivalents and their combinations.
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