LIST OF TABLE

4.2.1 Proximate analysis of crude drugs 43
5.2.1 Percentage extractive values along with colour of the extract and nature of the Aegle marmelos (Corr.) residue 60
5.2.2 Qualitatively phytochemical test screening of Aegle marmelos (Corr.) 60
5.3.1 Percentage extractive values along with colour of the extract and nature of the Moringa oleifera (Lam.) residue 77
5.3.2 Qualitatively phytochemical test screening of Moringa oleifera (Lam.) 77
5.4.1 Percentage extractive values along with colour of the extract and nature of the Paederia foetida (Linn.) residue 81
5.4.2 Qualitatively phytochemical test screening of Paederia foetida (Linn.) 81
5.5.1 Percentage extractive values along with colour of the extract and nature of the Melastoma malabathricum (Linn.) residue 85
5.5.2 Qualitatively phytochemical test screening of Melastoma malabathricum (Linn.) 85
6.1.1 Effect of UFG on turpentine oil induced rat paw edema 100
6.1.2 Effect of UFG on formaldehyde induced rat paw edema 100
6.1.3 Effect of UFG on CFA induced paw edema 101
6.1.4 Effect of UFG on arthritis index in CFA induced arthritic rats 101
6.1.5 Effect of UFG on hematological parameters in CFA induced arthritic rats 104
6.1.6 Effect of UFG on body weight of CFA induced rat paw edema 104
6.1.7 Effect of UFG on the antioxidant marker enzyme in CFA induced arthritic rats 105
6.1.8 Effect of UFG on blood glucose levels in oral glucose tolerance test 108
6.1.9 Effect of UFG on the blood glucose level of STZ induced diabetic rats 108
6.1.10 Effect of UFG on biochemical parameter in STZ-induced diabetic rats 109
6.1.11 Effect of UFG on the body weight of STZ induced diabetic rats 112
6.1.12 Effect of UFG on antioxidant enzyme in STZ induced diabetic rats 112
6.2.1 Effect of UFD on turpentine oil induced rat paw edema 121
6.2.2 Effect of UFD on formaldehyde induced rat paw edema 121
6.2.3 Effect of UFD on CFA induced paw edema 122
6.2.4 Effect of UFD on arthritis index in CFA induced arthritic rats 124
6.2.5 Effect of UFD on hematological parameters in CFA induced arthritic rats 124
6.2.6 Effect of UFD on body weight of CFA induced rat paw edema 126
6.2.7 Effect of UFD on the antioxidant marker enzyme in CFA induced arthritic rats 126
6.2.8 Effect of UFD on blood glucose levels in oral glucose tolerance test 131
6.2.9 Effect of UFD on the blood glucose level of STZ induced diabetic rats
6.2.10 Effect of UFD on biochemical parameter in STZ-induced diabetic rats
6.2.11 Effect of UFD on the body weight of STZ induced diabetic rats
6.2.12 Effect of UFD on antioxidant enzyme in STZ induced diabetic rats
6.3.1 Effect of Moringa Oleifera (Lam.) on Turpentine oil induced rat paw edema
6.3.2 Effect of Moringa Oleifera (Lam.) on formaldehyde induced rat paw edema
6.3.3 Effect of Moringa Oleifera (Lam.) on CFA induced paw edema
6.3.4 Effect of Moringa Oleifera (Lam.) on arthritis index in CFA induced arthritic rats
6.3.5 Effect of Moringa Oleifera (Lam.) on hematological parameters in CFA induced arthritic rats
6.3.6 Effect of Moringa Oleifera (Lam.) on body weight of CFA induced rat paw edema
6.3.7 Effect of Moringa Oleifera (Lam.) on the antioxidant marker enzyme in CFA induced arthritic rats
6.3.8 Effect of Moringa Oleifera (Lam.) on blood glucose levels in oral glucose tolerance test
6.3.9 Effect of Moringa Oleifera (Lam.) on the blood glucose level of STZ induced diabetic rats
6.3.10 Effect of Moringa Oleifera (Lam.) on biochemical parameter in STZ-induced diabetic rats
6.3.11 Effect of Moringa Oleifera (Lam.) on the body weight of STZ induced diabetic rats
6.3.12 Effect of Moringa Oleifera (Lam.) on antioxidant enzyme in STZ induced diabetic rats
6.4.1 Effect of Paederia Foetida (Linn.) on turpentine oil induced rat paw edema
6.4.2 Effect of Paederia Foetida (Linn.) on formaldehyde induced rat paw edema
6.4.3 Effect of Paederia Foetida (Linn.) on CFA induced paw edema
6.4.4 Effect of Paederia Foetida (Linn.) on arthritis index in CFA induced arthritic rats
6.4.5 Effect of Paederia foetida (Linn.) on hematological parameters in CFA induced arthritic rats
6.4.6 Effect of Paederia foetida (Linn.) on body weight of CFA induced rat paw edema
6.4.7 Effect of Paederia foetida (Linn.) on the antioxidant marker enzyme in CFA induced arthritic rats
6.4.8 Effect of Paederia foetida (Linn.) on blood glucose levels in oral glucose tolerance test
6.4.9 Effect of Paederia foetida (Linn.) on the blood glucose level of STZ induced diabetic rats
6.4.10 Effect of Paederia foetida (Linn.) on biochemical parameter in STZ-induced diabetic rats
6.4.11 Effect of Paederia foetida (Linn.) on the body weight of STZ induced diabetic rats
6.4.12 Effect of Paederia foetida (Linn.) on antioxidant enzyme in STZ induced diabetic rats
6.5.1 Effect of Melastoma Malabathricum (Linn.) on turpentine oil induced rat paw edema
6.5.2 Effect of *Melastoma Malabathricum* (Linn.) on formaldehyde induced rat paw edema 185
6.5.3 Effect of *Melastoma Malabathricum* (Linn.) on CFA induced paw edema 186
6.5.4 Effect of *Melastoma Malabathricum* (Linn.) on arthritis index in CFA induced arthritic rats 186
6.5.5 Effect of *Melastoma Malabathricum* (Linn.) on hematological parameters in CFA induced arthritic rats 189
6.5.6 Effect of *Melastoma Malabathricum* (Linn.) on body weight of CFA induced rat paw edema 189
6.5.7 Effect of *Melastoma Malabathricum* (Linn.) on the antioxidant marker enzyme in CFA induced arthritic rats 190
6.5.8 Effect of *Melastoma Malabathricum* (Linn.) on blood glucose levels in oral glucose tolerance 195
6.5.9 Effect of *Melastoma Malabathricum* (Linn.) on the blood glucose level of STZ induced diabetic rats 195
6.5.10 Effect of *Melastoma Malabathricum* (Linn.) on biochemical parameter in STZ-induced diabetic rats 196
6.5.11 Effect of *Melastoma Malabathricum* (Linn.) on the body weight of STZ induced diabetic rats 196
6.5.12 Effect of *Melastoma Malabathricum* (Linn.) on antioxidant enzyme in STZ induced diabetic rats 199