STUDIES ON THE SIDE EFFECT OF SOME COMPOUNDS OF A PLANT ORIGIN ON THE CYTOGENETIC LEVEL .

THESIS SUBMITTED
TO

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studies on the side effect of some compounds of a plant origin on the cytogenetic level

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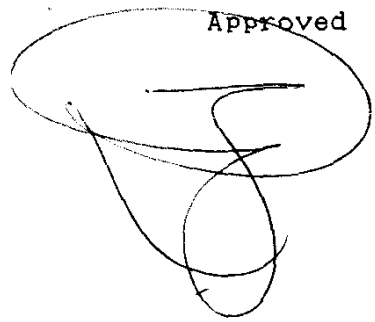

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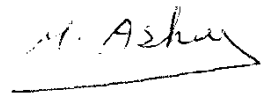

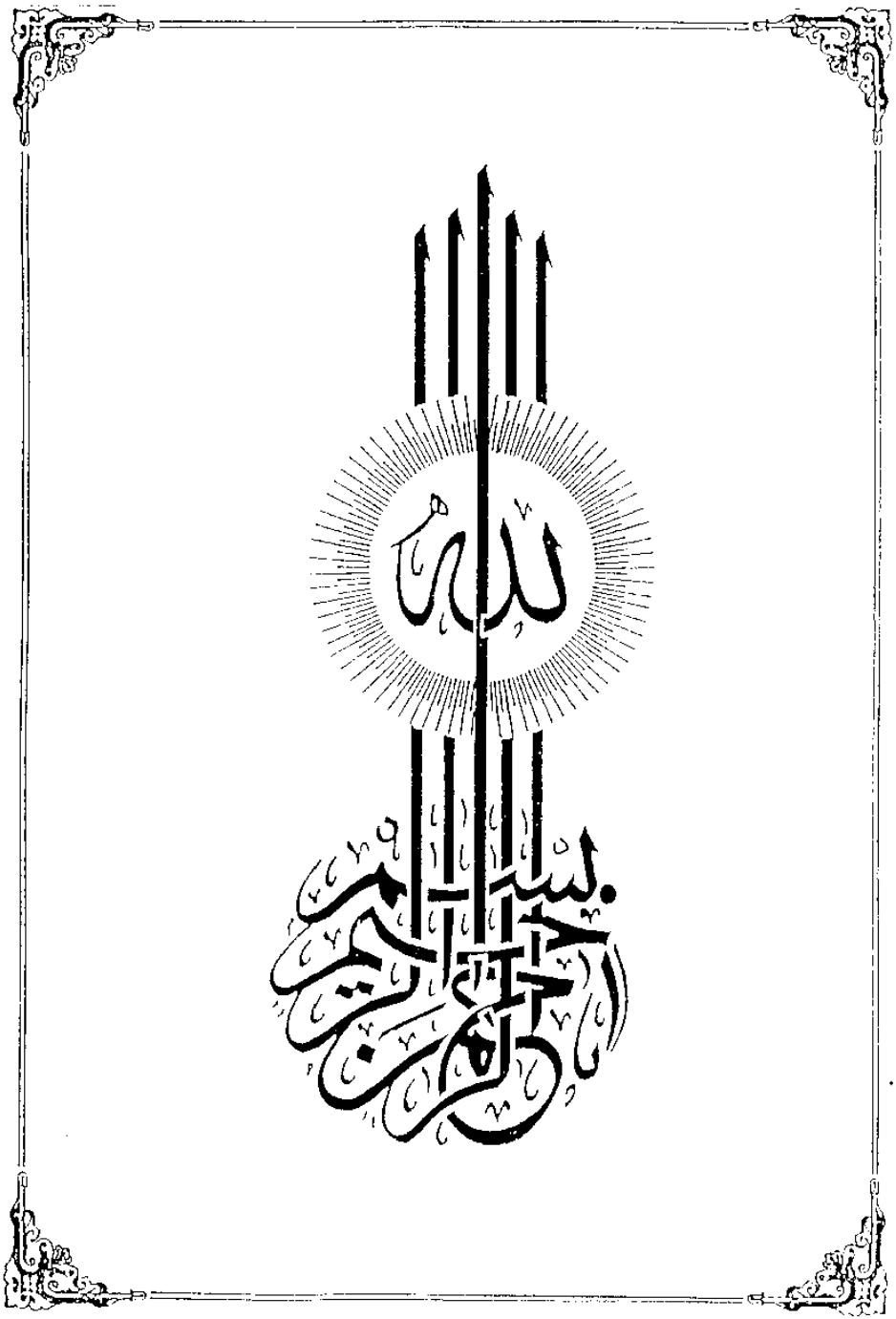

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Phyto-estrogens are compounds that are believed to be found in some plants that are used in regular feeding of farm animals. They are presumed to be involved as causative agents of infertility of these animals . Their effect ranges from oestrogenic activity to infertility of these animals . For this reason,they attracted the attention of many investigators.

Samuel,(1967) made a literature review of the factors that have to be taken into consideration for the evaluation of plant oestrogens on animal reproduction. He recommended the amounts of oestrogens under, different enviromental conditions,their effectivness and the response of various animal species to be taken into consideration.

The approach for study of these compounds followed various routes.

One of these routes included the attempts to isolate some extract with one or another oestrogenic effect .

Alexander and Rossiter,(1952) made a comparative bioassay of extracts from clover (Trifolium subterraneum L.) under various conditions of treatment with fertilizers as a factor affecting oestrogenic potency of clover.

Curnow,(1954) described a method for extraction by which he could seperate genistein from 4 subterranean clovers out of 8 species. He suggested an explanation for infertility in