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

THESIS SUBMITTED
TO

The Department of Zoology
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BY

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**studies on the side effect of some compounds of
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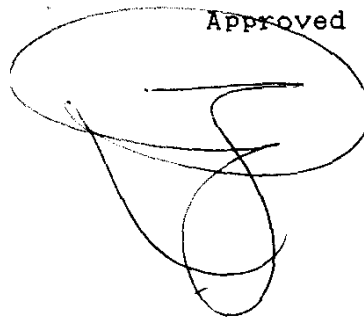
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INTRODUCTION

INTRODUCTION

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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 environmental conditions, their effectiveness 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 separate genistein from 4 subterranean clovers out of 8 species. He suggested an explanation for infertility in