

**KARYOTYPIC STUDY OF TWO TOAD SPECIES- *DUTTAPHRYNUS STOMATICUS* AND
PSEUDEPIDALEA VIRIDIS (ANURA, AMPHIBIA) FROM JAMMU AND KASHMIR**

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ABSTRACT

Karyotypic studies of two bufonids (toads)- *Duttaphrynus stomaticus* and *Pseudepidalea viridis*, were carried out using the conventional Giemsa staining protocol. The karyotypes of the two genera revealed typical bufonid characters including diploid number $2n=22$ and fundamental arm number $FN=44$. All the biarmed chromosomes were placed into two groups- Group 1 of larger chromosomes and Group 2 of smaller chromosomes. Chromosomes were either metacentric or submetacentric in nature. No acrocentric and telocentric chromosomes were observed. Only one pair (4th) was metacentric in *P. viridis* whereas two pairs (3rd and 5th) were submetacentric in *D. stomaticus*. All other chromosomes were metacentric in both the species. Ag-NOR banding showed a pair of conspicuous secondary constrictions corresponding to the nucleolar organizer regions (NORs) on seventh pair of chromosomes, but on long arm in *P. viridis* and short arm in *D. stomaticus*.

KEYWORDS: Karyotype, Giemsa, Chromosomes, Diploid Number, Fundamental Arm Number, NOR