

The Nucleus

An International Journal of
Cytology and Allied Topics

Volume 60 | Issue 1 | April 2017

ORIGINAL ARTICLES

Cytogenetic investigation of *Cyprinus carpio* (Linnaeus, 1758) using giemsa, silver nitrate, CMA₃ staining and fluorescence in situ hybridization

R. Kumar · V.S. Baisvar · B. Kushwaha · G. Waikhom · N.S. Nagpure 1

Chromosomal analysis and meiosis studies of *Oxya chinensis* (Orthoptera: Acrididae) from Thailand

S. Phimphan · W. Sangpakdee · K. Sangpakdee · A. Tanomtong 9

Studies on chromosomal characteristics of *Ctenus indicus* (Gravely 1931) (Araneae: Ctenidae)

S.A. Kumar · G. Venu · G. Jayaprakash · G. Venkatachalaiah 17

The genetic differentiation of Nile Tilapia, *Oreochromis niloticus*, is affected by chromium and lead in stabilization pond of municipal wastewater treatment

B. Tengjaroenkul · W. Supiwong · P. Monkheang · R. Udomphan · S. Boonmee · S. Chowrong · L. Neeratanaphan 25

First report on karyotypic and morphometric analysis of a defoliator beetle, *Zygogramma bicolorata* (Coleoptera: Chrysomelidae) from Jammu region (J&K), India

A.A. Bhatti · N.K. Tripathi · M. Khajuria 33

Cytological details of *Luffa cylindrica* (L.)M.Roem. a meiotically disturbed diploid

M. Jamwal · N. Sharma 37

Morphometric and ISSR based variability analysis to elucidate population genetic structure in *Senecio glaucus* L. (Asteraceae: Senecioneae)

R. Eftekharian · M. Sheidai · F. Attar · Z. Noormohammadi · M. Ebadi-Nahari 43

Comparative assessment of some physiological and cytological attributes following gamma irradiation exposure to dry and dry irradiated stored seeds of *Nigella sativa* L. (black cumin)

D.V. Kumbhakar · A.K. Datta · D. Das · B. Ghosh · A. Pramanik 51

Genetic diversity analysis in drought stress tolerant cottons

S. Poortavakoli · M. Sheidai · O. Alishah · Z. Noormohammadi 57

Floral biology in relation to meiotic system in *Buxus wallichiana* Baill.: an endemic temperate tree species of North-West Himalayas

E. Sharma · U. Bharti · U. Bhushan · N. Sharma 63

ABSTRACTS

Chromosome Information Service (CIS), XXXII

B. Gajra 69

BOOK REVIEW

Plant Cytogenetics, 3rd edition

U.C. Lavania 89

The Nucleus

An International Journal of
Cytology and Allied Topics

Official Publication of the
Archana Sharma Foundation of Calcutta

60 years of
the
Nucleus