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## DESCRIPTION

*Mutation Research - Genetic Toxicology and Environmental Mutagenesis* publishes papers advancing knowledge in the field of genetic toxicology. Papers are welcomed in the following areas:

- New developments in genotoxicity testing of chemical agents (e.g. improvements in methodology of assay systems and interpretation of results). Alternatives to and refinement of the use of animals in genotoxicity testing. Nano-genotoxicology, the study of genotoxicity hazards and risks related to novel man-made nanomaterials. Studies of epigenetic changes in relation to genotoxic effects.  
- The use of structure-activity relationships in predicting genotoxic effects. The isolation and chemical characterization of novel environmental mutagens. The measurement of genotoxic effects in human populations, when accompanied by quantitative measurements of environmental or occupational exposures. The application of novel technologies for assessing the hazard and risks associated with genotoxic substances (e.g. OMICS or other high-throughput approaches to genotoxicity testing).

*Mutation Research - Genetic Toxicology and Environmental Mutagenesis* is now accepting submissions for a new section of the journal that will be dedicated to the discussion of current issues relating to design, interpretation and strategic use of genotoxicity tests (*Current Topics in Genotoxicity Testing*). This section is envisaged to include discussions relating to the development of new international testing guidelines, but also to wider topics in the field. The evaluation of contrasting or opposing viewpoints is welcomed as long as the presentation is in accordance with the journal's aims, scope, and policies.

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Germline, Mutation, Radiation, Mutagens, Anticancer Drugs, Instability, Mouse
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Cytotoxicity, DNA damage, mutagenicity, cancer biomarkers
David A. Eastmond, Riverside, California, USA
Mechanisms of toxicity and carcinogenesis of agricultural and environmental chemicals in humans and other mammals
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Genetic Toxicology, Bacterial mutagenicity, DNA damage, Chromosomal Damage, genetox screening assay, mutagenic impurities, pharmaceutical industry

Christopher Farabaugh, Skokie, Illinois, USA
Genetic toxicology, in vitro toxicity, Ames, chromosome aberrations, in vitro micronucleus, in vivo micronucleus, comet, mouse lymphoma, environmental science, ornithology, chemistry

Solange Garcia, Porto Alegre, Brazil
Occupational and Environmental Toxicology; Nanotoxicology; Metals; Chemical agents

Kyle Glover, Newark, Delaware, USA

Sabina Halappanavar, Ottawa, Ontario, Canada
Gene Expression, immune response, nanotoxicology, DNA damage, toxicogenomics, carcinogens

Shuichi Hamada, Kamisu-shi, Ibaraki-ken, Japan
Carcinogen; DNA damage; drug administration, gastrointestinal tract

Manoor Prakash Hande, Singapore
Telomeres and telomerase in ageing and cancer, DNA damage response and repair, toxicogenomics and environmental toxicology, radiation biology, biological response markers of exposure, experimental therapeutics

Andreas Hartmann, Basel, Switzerland
Comet assay, Micronucleus test, Drug development, Non-clinical safety testing

Jiliang He, Hangzhou, China
Environmental health, environmental genetic toxicology, environmental sanitation supervision

Cheryl Hobbs, Research Triangle Park, North Carolina, USA
DNA damage, genotoxicity

Yuko Ibuki, Suruga-ku, Shizuoka-Shi, Japan
Ultraviolet rays, Environmental chemicals, Epigenetics, Histone modifications, DNA damage, DNA repair

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DNA mutation, cancer biomarkers, oesophageal cancer, safety assessment, genetic toxicology

Awadshes N. Jha, Plymouth, UK
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Bernd Kaina, Mainz, Germany
DNA repair, apoptosis

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Epigenetic regulation, genome stability, carcinogenesis, radiation-induced DNA damage, repair and recombination

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Yang Luan, Shanghai, China
DNA damage; germ cell apoptosis; mutagenicity

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Occupational exposure, antineoplastic drugs, genotoxicity

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Genotoxicity, Testing, in silico, QSAR, Evaluation, Regulation, Risk assessment, Hazard identification, GHS classification

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DNA repair, genetic susceptibility, mismatch repair

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Genetic toxicology, DNA damage, DNA repair, mutagenesis, cell cycle checkpoints, high throughput screening, botanical dietary supplements

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Genetic toxicology, mechanisms of action of carcinogenic agents, electromagnetic fields & genomic damage, genomic damage through endogenous hormones

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fluorescence microscopy, water quality, boron, copper

**Veronique Thybaud**, Vitry sur Seine Cedex, France
Biomarkers, DNA damage & repair, cytotoxicity, genetic toxicology, mutagenesis, genotoxicity, Comet assay

**Jan Topinka**, Prague, Czech Republic
Toxic effects of engineered nanoparticles, combustion generated particles, molecular epidemiology

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Carcinogenesis

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Transformative effects of metals, DNA repair mechanisms, oxidative stress

**Marie Vasquez**, Morrisville, North Carolina, USA
Comet assay, Genetic toxicology, DNA damage and repair, DNA reactivity, cytotoxicity, safety testing

**Vijayalaxmi**, San Antonio, Texas, USA
Genetic toxicology, Bacterial mutation, DNA damage, Comet assay, Chromosomal damage, Micronucleus test, Pig-a assay.

**Lijun Wu**, Hefei, Anhui, China

**Bojana Žegura**, Ljubljana, Slovenia
genotoxicity, mutagenicity, toxicogenomics, natural toxins, anti-mutagens, in vitro 3D cultures
INTRODUCTION

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**Current Topics in Genotoxicity Testing**

*Mutation Research - Genetic Toxicology and Environmental Mutagenesis* is now accepting submissions for a new section of the journal that will be dedicated to the discussion of current issues relating to design, interpretation and strategic use of genotoxicity tests (*Current Topics in Genotoxicity Testing*). This section is envisaged to include discussions relating to the development of new international testing guidelines, but also to wider topics in the field. The evaluation of contrasting or opposing viewpoints is welcomed as long as the presentation is in accordance with the journal’s aims, scope, and policies.

Any submissions that report the results of studies on extracts or complex mixtures (e.g., solvent extracts of herbal preparations; soil, air, or water samples) will receive preliminary review by an Editor. Unless such manuscripts offer significant new insight, such as the chemical identification of previously unknown mutagens or anti-mutagens, they will be returned to the authors without being sent for further review. For further clarification of this journal policy please refer to the Editorial published in *Mutation Research* 391 (1997) 1.
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PREPARATION

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