



# Parasitology



# PARASITOLOGY

(FOUNDED BY G. H. F. NUTTALL)

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*Parasitology* publishes original results from pure and applied studies of parasites and host-parasite relationships. In addition to papers describing the taxonomy, life-cycles and ecology of parasites, the editors will be pleased to consider reports of experimental work on biochemical, immunological and physiological aspects of parasitism and the chemotherapy of parasitic diseases. Contributors are strongly advised to prepare their typescripts in the manner set out in the *Instructions to Authors* which appears at the front of the first issue of each volume. The editors assume that papers submitted to *Parasitology* are not being considered for publication in other journals and do not contain material which has already been published.

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# PARASITOLOGY

## INSTRUCTIONS TO AUTHORS

Manuscripts that are essentially protozoological and/or immunological should be sent to Professor F. E. G. Cox, Department of Biophysics, King's College London, 26 Drury Lane, London WC2B 5RL, U.K. All other manuscripts should be sent to Professor C. Arme, Parasitology Research Laboratory, University of Keele, Keele, Staffordshire ST5 5BG, U.K. The original manuscript and **one copy** should be submitted.

Submission of a manuscript implies that it has been approved by all the named authors, that it reports their unpublished work and that it is not being considered in whole or in part for publication elsewhere.

Before beginning to prepare a manuscript authors should refer to the *Instructions to Authors* which appears at the front of the first issue of each volume and to a current issue of *Parasitology* for the correct style. Manuscripts not prepared in the correct style usually have to be returned to the authors for revision.

- 1 *Style*. Manuscripts must be in English and typewritten in double spacing on A4 paper. All pages should be numbered consecutively. There is no lower limit on manuscript size, provided that sufficient essential information is given. Unnecessarily long papers will be returned for revision.
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VICKERMAN, K. & BARRY, J. D. (1982). African trypanosomiasis. In *Immunology of Parasitic Infections*, 2nd Edn. (ed. S. Cohen and K. Warren), pp. 204-60. Oxford: Blackwell Scientific Publications.

ANDERSON, R. M. (1982). Theoretical basis for the use of pathogens as biological control agents of pest species. In *Parasites as Biological Control Agents. Symposia of the British Society for Parasitology*, vol. 19 (ed. R. M. Anderson and E. U. Canning). *Parasitology* **84** (4), 3-33.

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**Solutions.** Concentrations should be expressed in terms of molarity (M) not normality (N) and fractional concentrations should be given as 0.1 M/HCl not as M/10 HCl. Concentrations given as % must be defined as w/w, w/v or v/v. The complete composition of buffer systems should be given at the first mention. The names and addresses of manufacturers of special apparatus or materials should be stated. The EC numbers of enzymes should be given and nomenclature should follow the system published in the *Report on the Commission on Enzymes of the International Union of Biochemistry*.



**Statistical treatment.** Where possible, data from sufficient numbers of separate experiments should be reported to permit assessment of the reproducibility and significance of the results. Where a significant difference is claimed between the means of two groups of results, the test of significance used should be stated. It should be made clear whether the standard deviation or standard error has been used, and the number of separate experiments should be given.

**S.I. units.** S.I. units should be used and it is up to the author to check the use of an appropriate unit in a recent reference book.

**Abbreviations.** These should be used sparingly and should be spelled out in full on first use. The following list provides a guide to some of the commonly used abbreviations.

acceleration due to gravity for centrifugal conditions	<b>g</b>
compare	cf.
counts per minute	c.p.m.
degrees of freedom	D.F.
effective dose (median)	ED <sub>50</sub>
experiment(s) (with reference number)	Exp., Exp. 2 and Exps 3-11
haemoglobin	Hb
hour	h
immunoglobulins	IgG, etc
international unit	i.u.
intramuscular	i.m.
intrapertoneal	i.p.
intravenous	i.v.
isotopes	[ <sup>32</sup> P]creatinine, [1- <sup>2</sup> H]ethanol, L-[2- <sup>14</sup> C]leucine
lethal dose, median	LD <sub>50</sub>
logarithm (base 10)	log
logarithm (base e)	ln
minute (time)	min
molar (concentration)	M; millimolar, mM
mole	mol, millimol, mmol
molecular weight	<i>M<sub>r</sub></i>
number	no.
parts per million	p.p.m.
per	/
per cent	%
post-infection	p.i.
red blood corpuscle	r.b.c.
relative humidity	R.H.
revolutions per minute	r.p.m.
second (time)	s
species	sp., spp. (plural)
species, new	sp.nov.
specific gravity	sp.gr.
standard deviation	S.D.
standard error	S.E.
subcutaneous	s.c.
ultraviolet	u.v.
versus	vs (in tables only)
volume	vol.
weight	wt

#### TRENDS AND PERSPECTIVES IN PARASITOLOGY (TRAPS)

*Trends and Perspectives in Parasitology* (TRAPS) are published at intervals. These short reviews are intended to focus attention on developing or controversial aspects of parasitology, identify new or old problems in need of research, suggest how research in other areas of biology might relate to parasitology and to present students and teachers with concise summaries of particular topics. TRAPS are not intended to be definitive reviews nor do they seek to duplicate areas well covered elsewhere.

Most TRAPS are solicited by the editors who also welcome informal suggestions for titles and/or authors. In particular, an author preparing a standard *Parasitology* manuscript may find that the subject might well be more suitable for a TRAPS. Authors are requested not to send unsolicited TRAPS but to discuss the matter with the editors in the first instance.