

## Details Guide for Writing Articles to Nepal Agric. Res. J.

### A. INSTRUCTIONS TO AUTHORS

Nepal Agriculture Research Journal abbreviated as Nepal Agric. Res. J. publishes original (not published or submitted for publication elsewhere) research and review or feature articles written in English from members of the Society of Agricultural Scientists (SAS), Nepal and other interested scientists or technicians in all aspects of agricultural research particularly in the field of agriculture, animal science, agro-forestry, post harvest technology and several other topics related to agricultural researches. Besides main research articles or critical review papers, research notes may also be published in the journal. Non-member can publish his/her article on a payment of Rs500.00 (\$25.00 for foreigner) per article. Article with many authors, one of the authors must be member of the Society for free publication in the journal.

Generally field trials (though depend on the nature of trials) should be **repeated across more than one season, in multiple seasons or in more than one location** as appropriate. Research findings from a single season or location may be accepted as Research Note if the findings are of exceptional interest.

Announcement about meeting, conference, seminar, workshop, personnel changes, book review, correspondence and other items of interest of the society may be sent for publication. All materials should be sent to the Editor-in-Chief, Nepal Agric. Res. J., SAS-N, c/o Biotechnology Unit-NARC, Khumaltar, PO Box 1135 Kathmandu, Nepal (Tel: 977-1-5521615, Fax: 977-1-5545485, Email: joshibalak@rediffmail.com).

Authors interested to publish their article/s in the journal are requested to submit with cover letter providing three reviewers' name and address, **three copies** of each manuscript written on **one side** of A4 size (8.5- × 11.0-in) paper in **double space** (New Times Roman, Font Size 11) in MS-Word Ver. 2 or higher to the Editor-in-Chief. Consult the recent issue of Nepal Agric. Res. J., the Council of Biology Editors Style Manual, 4<sup>th</sup> ed, American Institute of Biological Sciences, Washington DC for details of manuscript preparation and submission and visit [www.crops.org /style manual](http://www.crops.org/style manual) before writing the articles.

Each manuscript submitted to the editorial committee is registered and reviewed by at least two peer reviewers. Manuscripts that need improvement as suggested by reviewers and editorial committee will be returned to the respective author for correction and incorporation of the comments made and the corrected version of the manuscript along with a diskette and hard copy of the manuscript should be submitted promptly to the Editor-in-Chief.

Authors are encouraged to have colleagues review a manuscript before submitting it for publication. Additional authorities are consulted as necessary to confirm the scientific merit of any part or all of the manuscript. A reviewer is asked to review the manuscript and to transmit within 3 weeks. Each reviewer makes a specific recommendation for the manuscript based on the following aspects that are applicable:

- Importance of the research
- Originality of the work
- Appropriateness of the approach and experimental design
- Adequacy of experimental techniques
- Soundness of conclusions and interpretations
- Relevance of discussion
- Clarity of presentation and organization of the article
- English composition

All opinions about the papers published in the journal reflect the views of author/s and are not necessarily the views of SAS and its editorial board. The editorial board reserves the right to reject or accept for publication in the journal.

If any author wants reprints of his/her published articles, s/he can have the reprints by paying Rs5 (\$0.5 for foreigner) per page of the reprint/s. The author/s should inform and pay the required amount prior to publication of the articles for reprints. On request, electronic file of final article will be provided on PDF format.

### Format for Main Research Articles

**Title and Author:** The title should be informative and unique started with key word but concise and clear and should reflect the content of the paper. It should be in title case. Abbreviated and shortcut word/s should not be used in the title. Below the title, name/s and the address/es of author/s should be given. Write the addresses of the authors at the time of the work reported in the paper. Indicate current or postal addresses as a footnote on the first page of the paper, if the address is different from workplace. The initials of the middle names and full form of first and family name/s, full address of each author should be written and indicate the corresponding author using symbol \*.

**Running Title:** A running title, composed of 4-6 words, should be given in a separate paper to be adjusted in every alternate page of the published paper.

**ABSTRACT:** Every manuscript (article) must have a short abstract (not more than 250 words), which should be complete itself but it should be concise and clear without any cited references. Abstract should highlight rationale, objectives, materials and methods, important results and conclusion written in a manner so that it is suitable for direct reproduction in some abstracting journals. Key words (not more than 5 words) should be written below the abstract in alphabetical order. Authors and subjects index are published at volume number that are divisible by 4.

**INTRODUCTION:** Should give appropriate background and explain the things that are proposed. It should include short introduction to justify the research and relevant reviews and state the objectives clearly.

**MATERIALS AND METHODS:** Should include description of experimental materials, procedures and statistical design used as well as method/s to analyze the results. New methods should be described in detail and for methods developed by earlier researcher/s, only reference may be cited. However we prefer detail methodology. Report the location, georeferences (altitude, latitude and longitude etc) and date of experiment conducted. Write scientific name with authority, common and local name of organism. If possible mention chromosome number of organism as  $2n=2x=24$  for *Oryza sativa* L.

**RESULTS AND DISCUSSION:** Results and discussion will be either under separate or under combined headings. Results should be presented in a concise manner avoiding data that are already given in Tables. Discussion part should not repeat the results but should explain and interpret the data based on the published relevant studies. Insert graph/s and table/s wherever necessary and number them sequentially within each paper (article). The conclusion, recommendation and possible impact (if any) should be based on the supporting data. But there should not be a separate heading for conclusion and recommendation.

**Units of Measurement:** All units and measures should be in the metric system or in the International System Units (SI) and should be abbreviated for technical values. Currency exchange rates should be in US \$ along with the local currency for the appropriate date for any prices cited.

**Reporting Time and Dates:** Use the 24-hr time system with four digits, the first two for hours and the last two for minutes (eg 1430 hr for 2:30 pm). Dates are reported with day of the month first, then month, followed by the year eg 7 Aug 2000).

**ACKNOWLEDGMENTS:** Acknowledge the person/s and/or institution/s, if necessary, who actually help to achieve the objectives of the research.

**REFERENCES:** Only the papers closely related to the authors' work should be referred in the text by author's family name and the year of publication and be cited in an alphabetical order. When quoting references in the text, the last names of the authors for up to two authors and last name of the first author et al for more than two authors should be given followed by the year of publication within parenthesis. When references made to more than one publication by the authors in the same year, the publication should be numbered as (a) and (b) of that year with the earliest publication the year being designated (a) and so on. Each reference should contain first author's family name followed by his/her first initial name and the middle name (initial only) and the co-author/s with initials of the first and the middle names followed by family name/s, year of publication (English calendar), title of the research article/s, name of the journal or name and place of publisher (in case of book), volume number and page number/s. If no authority is available for citation, credit the work to the publisher. Please refer following examples for reference citing.

For electronic sources follow as the same kind of material in print, starting with the author, year, title and then giving further information as for a chapter or journal article and add the on line address URL and the date of information accessed.

#### Journal

Joshi BK, S Gyawali and DS Poudyal. 2002. Regression analyses and multiple comparison procedures: Uses and misuses. *J. Institute Sci. Tech.* 12:69-81.

#### Book

Cochran WG and GM Cox. 1968. *Experimental designs*. 2nd ed. John Wiley and Sons, Inc., New York. 490pp.  
Lewis WH, ed. 1980. *Polyploidy: Biological relevance*. Plenum Press, New York.

#### Contribution to Book/Proceedings

Yuan LP, ZY Yang and JB Yang. 1994. Hybrid rice in China. In: *Hybrid rice technology: New development and future prospects* (SS Virmani, ed). IRRI, the Philippines. Pp.143-147.

Joshi BK, KP Shrestha, KD Joshi, A Mudwari, SP Khatiwada, P Chaudhary, RB Yadab, D Pandey, PR Tiwari, BK Baniya and BR Sthapit. 2003. Process documentation on deployment of rice and buckwheat diversity through participatory varietal selection for specific adaptation. **In:** *On farm management of agricultural biodiversity in Nepal* (BR Sthapit, MP Upadhyay, BK Baniya, A Subedi and BK Joshi, eds). Proceedings of a National Workshop, 24-26 April 2001 Lumle-Nepal, NARC, LIBIRD and IPGRI. Pp. 229-232.

#### Annual Report

NWRP. 1980. Rice-wheat system: Opportunities and constraints. **In:** *Annual report-1980*. National Wheat Research Program (NWRP) - Nepal Agricultural Research Council, Bhairahawa – Rupandehi - Nepal. Pp.60-65.  
 ABD. 2003. *Annual report 2058/59 (2001/02)*. Agriculture Botany Division - NARC, Khumaltar - Kathmandu.

#### Serials

Hodges EM, WG Kirk, FM Peacock and JR Neller. 1964. Forage and animal response to different phosphatic fertilizers on pangobgrass pastures. *Fla. Agric. Expt. Sta. Bull.* 6(8):28.

#### Web material

Pretty J. 2003. *Genetic modification: Overview of benefits and risks*. Accessed in 5 June 2005 from <http://www2.essex.ac.uk/ces/>.

#### Thesis/Dissertation

Joshi BK. 2000. Assessment of the potential of Nepalese rice cultivars and landraces for hybrid production. *Master Thesis*. Institute of Agriculture and Animal Science, Rampur - Nepal. 104pp.

#### Paper Presented in Workshop or Seminar

Upadhyay MP, BK Baniya, RB Rana, J Bajrachayraya, A Subedi, A Mudwari, S Gywali, DK Rijal, BK Joshi, HB KC, D Gauchan, BR Sthapit. 2003. On farm management of agrobiodiversity: Experiences of Nepal. **Paper presented in:** International Conference on Himalayan Biodiversity (ICHB 2003), 26-28 Feb 2003, Kathmandu.

#### Personal Communication and Unpublished Article

These can be mentioned directly in the text in parenthesis.

#### Thesis or Dissertation

If the manuscript to be published is from his/her thesis or dissertation, it should be indicated at the footnote of the first page.

**Table:** Each Table with a number and proper title heading should be prepared and sorted appropriately. Use the following symbols for footnotes in the order shown: †, ‡, §, ¶, #, ††, ‡‡ etc. The single (\*) and double asterisks (\*\*) are used to indicate statistical significance and have priority in this order to show 5 and 1% levels of significance, respectively. Do not repeat information in the text presented in charts or graph. Use 10 font size and bold Table heading.

**Figure:** Each Figure and/or graph with a number and the proper title heading should be drawn or prepared. Figure/picture should be black and white. Use 10 font size and bold Figure title. Figure should be drawn without boarder. Provide figure both in Word and Excel format

So far as possible, Table and Figure should be either one-column width (making two columns in A4 size paper) or two-column width in portrait orientation.

**Page Limit:** The page limit for the main research article is 12 typed pages in single space including Tables, Figures and references.

#### Format for Review or Feature Articles

The review or feature article is much different from the main research articles in that it contains detailed description of certain topics researched or investigated earlier by concerned scientists or technicians. As in the main research article, it should contain abstract not exceeding 250 to 300 words. Each topic should have an appropriate heading and/or sub-headings with relevant tables and figures numbered separately but sequentially for each review article. At the end of each article, all discussed items should be summarized and the conclusion should be drawn. All the relevant references should be cited. Authors are requested to choose modern topics of interests to the readers. The review or feature articles should not be of more than 15 pages.

#### Format for Research Notes

The articles, which are not suitable to be published as main research articles but have some interesting and useful information, may be published as Research notes. In this type of paper, separate headings for introduction, materials and methods, results and discussion and references cited are not necessarily to be written but concise forms of every

part of the paper should be written in separate paragraphs. The relevant tables, figures and references may also be included but no abstract is needed. The article should be of three typed pages including tables, figures and references and other format should be as in main research article.

### Statistical Methods

Report enough details of experimental design so that the results can be judged for validating and so that previous experiments may serve as a basis for the design of future experiments. A multiple comparison procedure may be useful when treatments consists of a set of unrelated materials (such as cultivars or chemicals), but may be inappropriate in other cases. When treatments are factorial their effects may be classified by partitioning into main effects and interactions. Specific relationships among treatments may be elucidated with single-degree-of-freedom contrasts (for further consult Joshi et al 2002 J. Institute Sci. Tech. 12:69-81). Regression analyses are appropriate when treatments form a progressive series of an experimental factor.

## Checklist of papers submitted to Nepal Agric. Res. J.

### Content

- Significance and originality of work are shown
- Reproducibility of results is illustrated
- Objectives are clearly stated in introduction
- Introduction includes a succinct evaluation of the topic, including all relevant literature citations
- Experimental design and methodology are fully explained
- Proper and sufficient analyses are conducted (review by qualified statistician before submission is encouraged)
- Discussion relates work to other published material and addresses strengths and weaknesses of research
- Major conclusions are supported by results from repeated experiments. Manuscripts are reviewed critically before submission

### Format

- Double spaced and printed in one side
- Numbered Tables and Figures sequentially and located in right place
- Do not use both common and scientific names for organisms in the title
- Author names, affiliations and addresses including corresponding author name, e-mail, telephone number included
- Consistent style, format and size are used for all Figures and Tables
- Subheadings may be used, but avoid, excessive fragmentation of the text. Footnotes to the text are not permitted
- Words or phrases useful in index retrieval systems are listed in alphabetical order
- Abstract should be one paragraph
- Do not underline anywhere
- Do not make 2-column, we will do it

### Writing

- Give the name of the institute where the research was conducted and not the name of the institute where you are employed at present. If there is a change of address, give the present address as a footnote
- Specify the period during which the experiment was conducted.
- Use past tense for materials and methods and results in active voice
- Results should be specific, instead of being indicative

Double spaced in triplicate

- Indicate date as 21 Jan 2005
- Spell out the standard abbreviations when first mentioned
- Do not give data in table if they are depicted graphically
- Do not repeat ideas in different forms of sentences. Check and avoid all repetitions and duplications
- Do not acknowledge for official facilities or help or for encouragement etc
- Write Mr and Dr without full stops
- Avoid period with initials of authors, acronyms etc
- Do not cite anonymous as author, instead cite the name of the institute, publisher or editor
- Give only selected, recent references (priority to Nepalese). Avoid reference from non-science literature
- Avoid comma between the surname of an author and its initial or the year of citation

### Supporting material

- Cover letter supplying the named of the corresponding author with address, phone, fax number and email address.
- Cover letter provides names and addresses of potential reviewers or request with justification that certain reviewers not be used

### Submission

- Pay good attention to the presentations of the article
- Always consult a recent copy of our journal
- Check all data and references from original source
- Ensure that all references in the text find a place in the references part of article and vice versa
- The spellings of names and years should correspond in the text and references part
- Do not send the article for publication until it confirms in all respects to the style of the journal and has been checked very carefully
- Before the paper is sent, check carefully all data and text for factual, grammatical or typographical errors
- Send the article in triplicate
- On revision, please answer all the referees' comments point wise, indicating the modifications made by you. If you do not agree, give reasons for your disagreement with full justification
- Return the corrected electronic and hard copies immediately along with commented paper

URL: [www.narc-nepal.org](http://www.narc-nepal.org)  
 LAN (NARC, Khumal):  
 :\\Biotech\BkJ\SAS...

**B. ABBREVIATIONS AND SYMBOLS THAT CAN BE USED WITHOUT DEFINITION AND PERIOD IN TEXT, TABLE AND FIGURE**

Abbreviation/ symbol	Definition		
"	second	f	frequency
\$	US dollar	F	Variance ratio
%	Percent	F <sub>1</sub>	Filial generation 1 (first generation)
Ω	Ohm	FAO	Food and Agriculture Organization
χ <sup>2</sup>	Chi-square	Feb	February
μm	Micrometer	FFT	Farmers' Field Trial
$\bar{x}$	Arithmetic mean	FYM	Farm Yard Manure
*	Significant at 5% level	g	gram
**	Significant at 1% level	GATT	General Agreements on Tariffs and Trade
', min	minute	GDP	Gross Domestic Product
£	Pound	GIS	Geographical Information System
©	Copy right	GMO	Genetically Modified Organism
®	Registered trade mark	GO	Government Organization
1 <sup>st</sup>	First	h <sup>2</sup>	heritability
2,4-D	2,4-Dichlorophenoxyacetic acid	ha	hectare
A°	Angstrom	HMG	His Majesty of Government
AD	Anne Domini	hr	hour
ai	active ingredient	hrs	hours
am	ante meridiem (before noon)	ht	height
amt	amount	Hz	Hertz
ANOVA	ANalysis Of VAriance	IAAS	Institute of Agriculture and Animal Sciences
approx	approximately	ICIMOD	International Center for Integrated Mountain Development
Aug	August	ICRISAT	International Crops Research Institute for the Semi Arid Tropics
avg	average	ie	id est (in other words)
b	regression coefficient	IET	Initial Evaluation Trial
BC	Before Christ	INGO	International Non Government Organization
bp	boiling point	IPGRI	International Plant Genetic Resources Institute
ca	circa, carib (about)	IPM	Integrated Pest Management
CBD	Convention on Biological Diversity	IPR	Intellectual Property Right
CBO	Community Based Organization	IRRI	International Rice Research Institute
cf	confer (compare)	IUCN	International Union for Conservation of Nature and Natural Resources (The world conservation union)
CGIAR	Consultative Group for International Agricultural Research	J	Joule
CIMMYT	Centro Internacional de Mejoramiento de maiz y Trigo (International Center for Maize and Wheat Improvement)	Jan	January
cm	centimeter	K	Kelvin (Thermodynamic temperature)
coef	coefficient	kg	kilogram
conc	concentration	km	kilometer
CV	Coefficient of Variation	l	liter
cv	cultivar	LD	Lethal Dose
CVT	Coordinated Varietal Trial	ln	logarithm (natural)
d	day	LR	LandRace
Dec	December	LoA	Latter of Agreement
df	degree of freedom	log	logarithm (common, base 10)
diam	diameter	LSD	Least Significant Difference
DMRT	Duncan's Multiple Range Test	lx	lux
DNA	DeoxyriboNucleic Acid	m	meter
DoA	Department of Agriculture	M	Molar
Dr	Doctor	masl	meter above sea level
eg	exempli gratia (for example)		
ELISA	Enzyme Linked ImmunoSorbent Assay		
et al	et alii (and other)		
etc	et cetera (and so on)		
expt	experiment		
exptl	experimental		

max	maximum	RFLP	Restricted Fragment Length
min	minimum		Polymorphism
mm	millimeter	RH	Relative Humidity
MoAC	Ministry of Agriculture and Cooperatives	RNA	RiboNucleic Acid
mol	mole	rpm	revolutions per minute
mol wt	molecular weight	RRA	Rapid Rural Appraisal
MoU	Memorandum of Understanding	Rs	Rupees
mp	melting point	s	second
mph	miles per hour	S <sup>2</sup>	variance
Mr	Mister	SD	Standard Deviation
Ms	Miss, Masters	SE	Standard Error (of the mean)
MSc	Master of Science	SED	Standard Error of the difference
mt	metric ton	SEM	Standard Error of the Mean
n	Number, unit	Sept	September
n	Sample size, unit	sp	species (sing)
NARC	Nepal Agricultural Research Council	sp gr	specific gravity
NGO	Non Government Organization	spp	species (pl)
nm	nanometer	SSR	Simple Sequence Repeat
no	number	t	tonne, metric ton
Nov	November	t	Student's t
ns	not significant	temp	temperature
°C	Degree centigrade	TRIPS	Trade Related Intellectual Property Rights
Oct	October	UN	United Nations
°F	Degree Fahrenheit	UNDP	United Nations Development Programme
PCA	Principle Component Analysis	UPGMA	Unweighted Pair Group Method, Arithmetic mean
PCR	Polymerase Chain Reaction	UV	Ultraviolet
PGR	Plant Genetic Resource	V	Volt
pH	The negative logarithm of the hydrogen ion concentration	v/v	volume/volume (conc)
PhD	Doctor of Philosophy	var	variety
pm	post merideim (after noon)	VDC	Village Development Committee
PPB	Participatory Plant Breeding	viz	videlicet (namely)
ppm	part per million	vol	volume
PRA	Participatory Rural Appraisal	vs	versus
prepn	preparation	W	Watt
psi	pounds per square inch	w/v	weight/volume (conc)
PVS	Participatory Variety Selection	wk	week
r	correlation coefficient	wt	weight
rad	radian	WTO	World Trade Organization
RAPD	Random Amplified Polymorphic DNA	yr	year
RCBD	Randomized Complete Block Design	yrs	years

**C. ABBREVIATED JOURNAL TITLES**

We prefer full name for journals even though one can use following abbreviated names for journals in the references list. If a journal has single word name, it is not abbreviated.

**Terms without abbreviation**

Acta	Genes
Cell	Growth
Drug	Maydica
Fauna	Plant
Fish	Planta
Flora	Sea
Food	Soil
Gene	Weed

**Abbreviated terms**

Abstract, Abstracts	Abstr.	Conservation	Conserv.
Academical, Academy	Acad.	Contribuciones, Contribution	Contrib.
Advances	Adv.	Current	Curr.
African	Afr.	Department	Dep.
Agriculture, Agricultural	Agric.	Development, Developmental	Dev.
Agronomy	Agron.	Diseases	Dis.
America, American	Am.	Diversity	Diver.
Analytical	Anal.	Division	Div.
Anatomical	Anat.	Ecology	Ecol.
Animal	Anim.	Economics	Econ.
Annals	Ann.	Edition	Ed.
Annual	Annu.	Education, Educational	Educ.
Anthropological	Anthrop.	Electric	Electr.
Antibiotic	Antibiot.	Engineering	Eng.
Applied	Appl.	Entomological, Entomology	Entomol.
Aquatic	Aquat.	Environment, Environmental	Environ.
Archive, Archives	Arch.	Ethnology	Ethnol.
Association, Associates	Assoc.	Europe, European	Eur.
Atom, Atomic	At.	Evolution	Evol.
Australian	Aust.	Experimental	Exp.
Bacteriology, Bacteriologist	Bacteriol.	Federal, Federation	Fed.
Behaviour	Behav.	Fertilizer, Fertility	Fert.
Biochemie, Biochemistry,	Biochem.	Fisheries	Fish.
Biochemical		Forestry, Forest	For.
Biodiversity	Biod.	Garden	Gard.
Biological, Biologie	Biol.	Gazette	Gaz.
Biometrical, Biometry	Biometr.	General	Gen.
Biomolecular	Biomol.	Genetic, Genetics	Genet.
Biophysics	Biophys.	Geographical, Geography	Geogr.
Botanica, Botanical, Botany	Bot.	Geologica, Geological, Geology,	Geol.
British	Br.	History	Hist.
Bulletin	Bull.	Immune	Immun.
Bureau	Bur.	Immunology	Immunol.
Canada, Canadian	Can.	India	Ind.
Cardiology	Cardiol.	Information	Info.
Cellular	Cell.	Institute	Inst.
Chemical, Chemistry	Chem.	Interaction	Interact.
Chemotherapy	Chemother.	Japan, Japanese	Jap.
Commonwealth	Commw.	Journal	J.
Communications	Commun.	Laboratory	Lab.
Comparative	Comp.	London	Lond.
Computation, Computer,	Comput.	Magazine	Mag.
Computers, Computing		Management	Manage.
Conference	Conf.	Manual	Man.
Congress	Congr.	Mathematical, Mathematics	Math.

Mechanical	Mech.	Psychological	Psychol.
Medical, Medicinal	Med.	Publication	Publ.
Microbiological, Microbiology	Microbiol.	Quarterly	Q.
Molecular	Mol.	Regulation	Regul.
Monographs	Monogr.	Report	Rep.
Morphology	Morphol.	Research	Res.
Mountain	Mount.	Resources	Resour.
National	Natl.	Review	Rev.
Natural, Naturalist, Nature	Nat.	Scandinavian	Scand.
Nepal	Nep.	Science, Scientific, Scientist	Sci.
Netherlands	Neth.	Society	Soc.
Neurology	Neurol.	Special	Spec.
Newsletter	Newslett.	Station	Stn.
Nuclear	Nucl.	Structure	Struct.
Nutrition	Nutr.	Supplement	Suppl.
Obstetrician	Obstet.	Surgery	Surg.
Official	Off.	Survey	Surv.
Organic	Org.	Symposia, Symposium	Symp.
Orientalis	Orient.	Systematics	Syst.
Pakistan	Pak.	Technical	Tech.
Pharmacology	Pharmacol.	Technology	Technol.
Philippines	Philip.	Therapeutics	Ther.
Philosophical	Philos.	Topics	Top.
Physic, Physical, Physics	Phys.	Transactions	Trans.
Physiology	Physiol.	Tropical	Trop.
Planning	Plan.	University	Univ.
Pollution	Pollut.	Veterinary	Vet.
Practical, Practice	Prac.	Virology	Viol.
Proceedings	Proc.	Zoology, Zoologie	Zool.