

SOCIAL SCIENCES DIVISION

MULTICULTURAL PERSPECTIVES IN EDUCATION FOR SUSTAINABLE DEVELOPMENT*

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Experts in multicultural education define multiculturalism as referring to demographic, socio-economic, ethnic, religious, etc. differences that allow its application in all counselling relationships and processes. It is addressed to the issues of equity, designing appropriate services, and assisting teachers with educational curricular and instructional development. Using content analysis and interview as research methodologies in 1995, the author studied the multicultural education programs/services provided at Faith Academy, Brent School of Manila, International School of Manila, and Arizona State University to promote multicultural understanding. The educational programs/services identified that promote multicultural understanding and educational development are: scouting program, band and choir, Chinese Cultural Club, French Club, International Club, Model United Nations, Philippine Cultural Club, Spanish Club, Achieving a College Education, Summer Connection, Navajo Summer Institute, Success, Academically Talented Program, Students Taking Action to Reach Success, Movimiento Estudiantil Chicano de Aztlan, Native American Students United, STEP Honor Society, Asian Coalition, Women of Color, and Intergroup Relations Theater Troupe. At Arizona State University, the Minority Assistance Program (MAP) was created to provide minority students with academic and personal support. The MAP office seeks to help students better understand the environment in which they learn. Recommended components for multicultural classrooms, instructional methods for cross-cultural education, and curriculum guidelines for multi-cultural education are highlighted in the study.

*Best poster paper award in the Social Sciences Division.

APPENDICES

A. GUIDELINES FOR TECHNICAL PAPER PRESENTORS

1. The original and two copies of the manuscript (including illustrations) should be sent to

Miss Luningning E. Samarita
Executive Director
National Academy of Science and Technology, Philippines
2/F Philippine Science Heritage Center, DOST Complex
Bicutan, Taguig, 1631 Metro Manila

2. Manuscript text, tables, references, footnotes, and legends must be computer-printed in size 12 points (not less than 0.3 cm in height for capital letters) on one side of opaque paper, 22 x 28 cm, double-space throughout, and with at least 4 cm margins all around. All manuscripts must be dark, clear, and of letter-quality.
3. The first page should include title, author(s), and affiliation(s). Names of all authors should be given in full. In coauthored manuscripts, designate with an asterisk the author to whom correspondence should be addressed. A single paragraph abstract is required, preferably directly under the author's affiliation. The abstract should be followed immediately by a list of approximately 10 key words suitable for information retrieval systems.
4. Illustrations should be of high quality, original, inked line drawings, or glossy photographic prints. Lettering should be sans serif, with consistency of size and thickness of line appropriate to the size and complexity of the drawing after reduction. Authors should anticipate that capital letters and numbers may be as small as 1.5 mm high after reduction. Half-tones and color illustrations may be included only when deemed to be necessary. Brief but adequate legends for the illustrations should appear together on a separate page.
5. Tables should be numbered in one consecutive series of Arabic numerals and should be referenced by number in the text. Each table should be placed on a separate sheet of paper with the table number and fully descriptive title at the top. The top of tables and illustrations printed in the landscape orientation should be on the left for easy reading.
6. The author-year documentation system should be followed. References are cited in the text, in parentheses, by author's last name (no comma after the name) and the year of publication. These references are listed alphabetically, with full bibliographic information, at the end of the text. An essential general guide to style and format is the latest (1993; 14th) edition of **The Chicago Manual of Style** published by the University of Chicago Press, 5801 Ellis Avenue, 4th Floor, Chicago, IL 60637, USA. An indispensable reference in the physical sciences and mathematics, as well as in the life sciences, is the latest (1994; 6th) edition of **Scientific Style and Format: The CBE Manual**

for Authors, Editors, and Publishers in the Biological Sciences published by the Council of Biology Editors, Inc., 11 South LaSalle Street, Suite 1400, Chicago, IL 60603, USA.

7. The use of the latest edition of **Webster's Third New International Dictionary of the English Language Unabridged**, (with Seven Language Dictionary), published by Encyclopædia Britannica, Inc., Chicago, in three volumes, is strongly recommended.

B. GUIDELINES FOR TECHNICAL PAPER WRITERS
(See also **GUIDELINES FOR TECHNICAL PAPER PRESENTORS**)

I. TITLE, AUTHOR(S), AFFILIATION(S)

- a. TITLE: All caps; center; bf; 14 pts.
- b. TITLE INCLUDING A SCIENTIFIC NAME: All caps except scientific name, genus and species names cap and lc, ital; name of taxonomist cap and small caps; center; bf; 14 pts.

**ULTRASTRUCTURAL CHANGES IN THE DIGESTIVE SYSTEM
OF *Achatina fulica* FERUSSAC
INDUCED BY THE MOLLUSCICIDE BAYLUSCIDE**

- c. ONE AUTHOR WITH ONE AFFILIATION:
AUTHOR'S NAME: In full; normal order; all caps; center; 12 pts.
AFFILIATION: Caps and lc; center; ital; 10 pts.

**METAZOAN PARASITES OF SOME FISHES
FROM TAALLAKE**

NELLIE C. LOPEZ
Institute of Biology, College of Science
University of the Philippines Diliman
1101 Quezon City

[NOTE: The ZIP Code number should be written on the left-hand side of the last line of the address, preceding the name of the city, municipality, or province. --- The Zip Code Directory of the Philippines, Philippine Postal Corporation.]

d. **TWO OR MORE AUTHORS WITH ONE AFFILIATION:** All names in full; normal order; three or more names are separated by commas; a comma precedes "and"; all caps except "and"; center; 12 pts.

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OF SELECTED RICES TO TUNGRO**

CESAR G. DEMAYO and ISAIAS T. DOMINGO
*International Rice Research Institute
College, 4031 Laguna*

e. **TWO OR MORE AUTHORS WITH DIFFERENT AFFILIATIONS:** Affiliations are indicated separately for each author; identified respectively by superscript Arabic numbers.

e-1. Philippine affiliations:

**A DENJOY-TYPE INTEGRAL
FOR BANACH-VALUED FUNCTIONS**

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University of the Philippines Diliman
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e-2. Philippine and foreign affiliations:

**A MEASUREMENT OF STRESS RELAXATION FOR STUDYING
RICE ROOT RESPONSE TO SALINITY**

PHILBERT S. BONILLA¹ and MIKIO TSUSHIYA²

¹*Philippine Rice Research Institute
Maligaya, Muñoz
3119 Nueva Ecija*

²*Okayama University, Tsushi ma-naka 1-1-1
Okayama, Japan*

e-3. U.S. affiliations:

**BIOASSAY OF NATURALLY OCCURRING ALLELOCHEMICALS
FOR PHYTOTOXICITY**

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[NOTE: The ZIP Code number in the U.S. is placed after the name of the state. For purposes of the TRANSACTIONS, the name of the state is spelled out.]

2. **ABSTRACT:** One paragraph (not more than 150 words) is required, directly under the author's(s) affiliation(s).

3. **KEY WORDS:** Approximately 10 words for information retrieval systems.

4. **TEXT:**

MAIN TOPICS – Center, 12 pts, all caps, bf.

Subtopics – Flush left, 10 pts, caps and lc, bf, no punctuation.

Sub-subtopics – Indent 5 spaces, 10 pts, caps and lc, ital, dash.

5. **REFERENCES:**

 Arrange alphabetically according to the last name of the senior author.

 Give full bibliographic data:

 a. **Journal articles:** Names of all authors (include first names of lady authors in full), year of publication, complete title of article (capitalize only the first letters of the first word and proper nouns), conventional abbreviation of journal title in italics (no punctuation after the title unless the last word is an abbreviation which needs a period), volume, number of issue in parentheses, colon, inclusive pagination. (Lists of recommended abbreviations of journal titles are printed in *Chemical Abstracts* and *Index Medicus*. Titles of less well-known journals are best spelled out.)

 Raymundo, Assuncion K., and J. A. Leach. 1993. Amplification and sequence analysis of the upstream region of the *hrpXa* gene homolog in *Xanthomonas oryzae* pv. *oryzicola*. *The Philippine Journal of Biotechnology* 4(1):24-38.

Rimando, Agnes M., J. M. Pezzuto, N. R. Farnsworth, T. Santisuk, V. Reutrakul, and Kazuko Kawanishi. 1994. New lignans from *Anogeissus acuminata* with HIV-1 reverse transcriptase inhibitory activity. *J. Nat. Prod.* 57(7):896-904.

Sia, I. C., L. G. Velayo, Felicidad C. Mateo, Patricia A. Sunga, and E. de los Santos. 1993. Parmakolohiya sa komunidad: Mga nakatagong gamot sa mga bahay sa Barangay Bongo, Gapan, Nueva Ecija. *Acta Medica Philippina* 29(3):161-168

b. Books: Names of all authors (include first names of lady authors in full), year of copyright, complete title of the book (capitalize the first letters of all important words), edition if other than the first, publisher, city (include state or country only if the city is not widely known).

Barrion, A. T., and J. A. Litsinger. 1995. *Riceland Spiders of South and Southeast Asia*. The University Press, Cambridge.

Ladrado-Ignacio, Lourdes, and A. P. Perlas. 1994. *From Victims to Survivors: Psychosocial Intervention in Disaster Management*. University of the Philippines Manila, Manila.

c. Chapters or other titled parts of a book or papers in published proceedings: Names of all authors (include first names of lady authors in full), year of publication, complete title of the chapter/paper (capitalize only the first letters of the first word and of proper nouns), period. In (capital I), colon, name(s) of editor(s), complete title of the book (include edition, if other than the first) or of the proceedings (capitalize the first letters of all important words), publisher, city (include state or country only if the city is not widely known), inclusive pagination.

Jolliffe, Georgina H., and G. O. Jolliffe. 1993. The computer as an aid in the identification of powdered vegetable drugs. In: *Trends in Traditional Medicine Research, Proceedings of the International Conference on the Use of Traditional Medicine and Natural Products in Health Care, 8-11 June 1993, The School of Pharmaceutical Sciences, University of Science Malaysia, Penang*, pp. 71-77.

Walden, R. 1993. Cell culture, transformation, and gene technology. In: Lea, P. J., and R. C. Leegood, eds., *Plant Biochemistry and Molecular Biology*, John Wiley & Sons, Chichester, England, pp. 275-295.

d. Special cases: Multivolume works, series, multivolume work within a series, no ascertainable publication data, unpublished material, etc. Consult the references recommended in Appendix A, Guidelines for Technical Paper Presentors.

6. CHARACTERS/SYMBOLS:

Characters/symbols (chemical, multilingual, mathematical, scientific, Greek, etc.) should be clearly computer-printed – never handwritten.

C. GUIDELINES FOR POSTER ABSTRACT WRITERS

1. Title, author(s), affiliation(s)

(See also GUIDELINES FOR TECHNICAL PAPER WRITERS)

NOTE: The designations of the six autonomous units of the University of the Philippines are: (No comma after PHILIPPINES)

University of the Philippines Diliman (U.P. Diliman, UPD)

University of the Philippines Manila (U.P. Manila, UPM)

University of the Philippines Los Baños (U.P. Los Baños, UPLB)

University of the Philippines Visayas (U.P. Visayas, UPV)

University of the Philippines Open University (U.P. Open University, UPOU)

University of the Philippines Mindanao (U.P. Mindanao, UPMin)

2. Abstracts should include the following:
 - a. Background of the study (identify the gap in knowledge of the subject and what is to be done to fill this gap)
 - b. Methodology, using terms understandable by the majority
 - c. Valid scientific name, family, common name, and part(s) used in studies dealing with plants
 - d. Results so far obtained at the time of writing
 - e. Significance of the results, if the study has been completed.
3. Abstracts should be followed by not more than 10 key words for information retrieval purposes.
4. Abstracts should be typed double-spaced, in size 12 points (approximately 0.3 cm in height for capital letters), on one side of opaque paper, 22 x 28 cm, with at least 4 cm margins around, and the type must be clear and of letter quality.