

Subject: Ag-ESD Symposium 2016/TGSW2016

Dear Invited young researchers,

Thank you very much for agreeing to join the Ag-ESD Symposium 2016/TGSW2016.

We send you the following items as attached files to this mail;

-Introduction

-Pre-registration Form-- (deadline: June 3, (with a scanned copy of your passport))

-Presenter's Agreement --(deadline: June 3)

-Invitation Letter

-Preparatory work-- (Summary deadline: July 15, Full Review Paper deadline: September 30)

-Summary Format

-Summary Example

-Instructions to JDSA Authors

Supplementary explanations;

1. Pre-registration Form and Presenter' Agreement

Each invited lectures must fill out the **Pre-registration Form** and **Presenter' Agreement** attached with this mail and return it to the Organizing Committee of Ag-ESD Symposium 2016/TGSW2016 **by June 3, 2016**. Please be sure to fill out all information requested on the pre-registration form to facilitate preparation for your participation. In addition, please send a **scanned copy of your passport** to agesd@nourin.tsukuba.ac.jp so we can reserve your flights.

2. Travel to Japan

1) Air Ticket

Invited lectures will receive an e-ticket from a travel agency designated by the organizing committee before your departure. This agent will also book your return flight. You must inform us well in advance of your desired arrival and departure dates.

Travel Agent:

Tabbit Co., Ltd. Tsukuba Branch

Att.: Mr. Kazuhiko Nagaosa

Tel: +81-29-869-6655, Fax: +81-29-869-8281

E-mail: nagaosa@tabbit.co.jp, or tsukuba@tabbit.co.jp

URL: http://tabbit.co.jp/wp_tabbit/

2) Cancellations

All cancellations and changes in accommodations and travel expenses including cancellation charges will be the liability of the attending persons. In the event that you make any changes or cancel your flight after your reservation is ticketed you will have to pay all cancellation charges.

3) Arrival

You will arrive at Narita International Airport on September 16 (Fri.). For the accommodation on September 16 at Narita and the move to Tsukuba on September 17, further instruction will be announced in later mail.

3. Advice on visa and insurance

All visitors entering Japan must have a valid passport, and if your country does not have a reciprocal visa exemption arrangement with Japan, you must also obtain a visa from Japanese embassy or consulate in your country. Final invitation letter (not included in this email) will be sent by end of this June, if you submit successfully your pre-registration form and a scanned copy of your passport. You are advised to obtain appropriate travel insurance for yourself. No responsibility for insurance or any other expenses incurred for you on account of illness, injury, temporary or permanent.

If you have any questions or there any problems meeting these deadlines please let us know.

We are looking forward to seeing you at Tsukuba on September 17.

Sincerely yours,

Organizing Committee of Ag-ESD Symposium 2016/TGSW2016
Agricultural and Forestry Research Center
University of Tsukuba
Tsukuba, Ibaraki, 305-8577 JAPAN
Email: agesd@nourin.tsukuba.ac.jp

Introduction of
Ag-ESD Symposium 2016/TGSW 2016

UNESCO-APEID 2016 INTERNATIONAL SYMPOSIUM ON
AGRICULTURAL EDUCATION FOR SUSTAINABLE DEVELOPMENT

September 18 (Sun.) – September 19 (Mon),

(TGSW 2016: September 17 (Sat.) – September 19 (Mon))

2016

AGRICULTURAL AND FORESTRY RESEARCH CENTER
UNIVERSITY OF TSUKUBA
JAPAN

Correspondence:

Organizing Committee of Ag-ESD Symposium 2016/TGSW 2016

Agricultural and Forestry Research Center, University of Tsukuba

Tsukuba, Ibaraki, 305-8577 JAPAN

E-mail: agesd@nourin.tsukuba.ac.jp

URL: <http://www.nourin.tsukuba.ac.jp/~agesd/>

Fax: +81-29-853-6205, Tel: +81-29-853-2545, 2755

Background and Outlook:

The Agricultural and Forestry Research Center of the University of Tsukuba has been nominated by UNESCO as an Associated Center of the Asia-Pacific Program of Educational Innovation for Development (APEID) in the field of vocational and technical education, and has organized the Tsukuba Asian Seminar on Agricultural Education (TASAE) and more recently the International Symposium on Agricultural Education for Sustainable Development (Ag-ESD Symposium) annually since 1979.

TASAE has gained an excellent reputation as an international agricultural program under APEID from the timely themes of each term. The themes of TASAE for each term were as follows:

- 1979-1981 【 The second term of APEID 】
Agricultural Education at the Secondary Level in Asia
- 1982-1986 【 The third term of APEID 】
Strategies for Innovation of Agricultural Education in Asian Countries
- 1987-1991 【 The fourth term of APEID 】
Education and Research for Higher Agricultural Productivity Conserving Nature Agro-ecosystem in Asian and Pacific Countries
- 1992-1996 【 The fifth term of APEID 】
Education and Research for Sustainable Development of Agriculture and Conserving Nature and Agro-ecosystem in Asian and Pacific Countries
- 1997-2001 【 The sixth term of APEID 】
Innovative strategies for linking agricultural and environmental education in Asia-Pacific countries for the 21st century
- 2002-2007 【 The seventh term of APEID 】
The utilization and conservation of the water resources for human survival, bioproduction and the environment considering sustainable development, and the role of agro-environmental education
- 2008-2013 【 The eighth term of APEID 】
Promotion of Ag-ESD for the Development of a Sustainable Future
- 2014-2020 【 The ninth term of APEID 】
Global Action Program

The Ag-ESD Symposium 2015 was held from November 16th to November 20th at the University of Tsukuba and focused on issues in "Food Loss and Food Waste", the role of universities in promoting Agricultural Education for Sustainable Development. The 2015 Symposium was also sponsored in collaboration with the Japan National Commission for UNESCO, JICA, Ibaraki University and the International Cooperative Education Program for Creation of Harmonious Asian Countries. Seventeen participants from 7 countries: Philippines, Thailand, Indonesia, USA, Malaysia, Afghanistan, Ghana, Zambia, and Japan. In addition, more than 70 university students presented posters during the poster session.

This Year's Theme:

Education for Sustainable Development,
Overseas Internship/ Agriculture, Food and Environment

Objective:

Report on the conditions and outcomes of training programs in the areas of food, the environment, bioresources, and food production. This session will focus on information from businesses, universities, and laboratories conducting global operations and internships overseas, particularly in Southeast Asia, a region increasingly receptive to Japanese food production technologies and with which close relationships are expected to increase. Opinions of experts from national research institutes on new training programs for nurturing students that can contribute to industry, government, and academia in the future will also be discussed. Hopefully this will create connections for nurturing personnel capable of building new global innovations.

Organization:

The Agricultural and Forestry Research Center of the University of Tsukuba,
Tsukuba Global Science Week 2016 (University of Tsukuba)

Co-sponsors/Auspices: (Tentative)

Japan International Research Center for Agricultural Sciences (JIRCAS)
JICA Tsukuba International Center

Invited Participants:

International experts:

International experts involved in agricultural education for sustainable development with technological innovations to reduce environmental impacts in Asian-Pacific countries are the most suitable for fulfilling the objectives of the symposium. The participants will be experts in an area relevant to the symposium theme and will review the actual situation in his/her institution and country.

Japanese experts and commentators:

Several Japanese experts and commentators from various scientific fields relevant to the theme will also be invited.

Pre-registration:

Each invited participant must fill out the pre-registration form attached to this mail and return it to the Organizing Committee of Ag-ESD Symposium 2016/TGSW2016, the University of Tsukuba as soon as possible so a formal letter of invitation can be sent. This and other documents will be necessary for participants to obtain a visa to enter Japan. Please be sure to fill out all information requested on the pre-registration form to facilitate preparations for your participation. In addition, please send a scanned copy of your passport to agesd@nourin.tsukuba.ac.jp so we can prepare the necessary documents for you to obtain a visa and reserve your flights.

Main Working Language:

English

Date and Venue

September 18 – 19, 2016 (TGSW2016: September 17 – 19)

Date	Time	Program	Venue
Sep. 16 (Fri)		Arrival at Narita Airport (For Participants from overseas)	
Sep. 17 (Sat)	08:00-09:30	Narita → Tsukuba (For Participants from overseas)	
	09:30-12:30	Opening Session (TGSW2016) Industry-Government-University Collaboration&Innovation	International Congress Center
	12:30-13:30	Lunch	
	13:30-16:30	Session	
	16:30-17:00	International Congress Center → University of Tsukuba	
	17:00-18:00	Registration and Orientation	University Hall (UT)
	18:00-20:00	Welcome Party	The Soup Factory (UT)
Sep. 18 (Sun)	09:30-12:00	Ag-ESD Symposium	Laboratory of Advanced Research A (UT)
	12:00-13:00	Lunch	
	13:00-16:30	Ag-ESD Symposium	
	17:00-20:00	Dinner party organized by internship students	
Sep. 19 (Mon)	09:30-12:00	Poster Session	Laboratory of Advanced Research A (UT)
	12:00-13:00	Lunch	
	13:00-16:00	Young Researcher's Forum	
	16:00-16:30	Awards Ceremony	
	17:30-18:00	University of Tsukuba → Hotel Grand Shinonome	
	18:00-20:00	Farewell Party (TGSW2016)	Hotel Grand Shinonome
Sep. 20 (Tue)	09:00-17:00	Excursion (Nikko)	
Sep. 21 (Wed)	09:00-11:00	Departure from Japan (For Participants from overseas)	

Travel to Japan:

Participants will receive an e-ticket from a travel agency designated by the organizing committee. Further instructions will be announced in later mail.

Pre-registration Form for Ag-ESD Symposium 2016/TGSW2016Please fill in this form and return by E-mail to the organizing committee by **June 3, 2016**:

Organizing Committee of Ag-ESD Symposium 2016/TGSW2016
 Agricultural and Forestry Research Center
 University of Tsukuba
 Tsukuba, Ibaraki, 305-8577 JAPAN

E-mail: agesd@nourin.tsukuba.ac.jp

Name: _____					
(Title)	First name	Middle name		Family name	
Date of Birth:			Sex: Male Female		
Day			Month	Year	
Institution:					
Office Address:					
Office Telephone:			Fax:		
Position:					
Specialty:					
Home Address:					
City			State/Province		
Country			ZIP/Postal Code		
Telephone:			Fax:		
E-mail Address:					
Passport Number (<u>with scanned copy of your passport</u>):					
Agree to have the Organizing Committee provide an airline ticket (e-ticket) through their designated travel agent. <input type="checkbox"/> Yes					
Name of Airport Nearest your Home:					
Please provide us with any other additional information that will assist us in making your stay more comfortable (i.e. vegetarian, other dietary preferences, special needs, etc):					
Tentative Title of Your Presentation:					

PRESENTER'S AGREEMENT

I received the invitation letter for Ag-ESD Symposium 2016/TGSW2016 –Young Researcher's Forum- and agree to attend from September 16 to 21, deliver a presentation and submit a full paper for JDSA.

I also agree to video recording of my presentation at Ag-ESD Symposium 2016/TGSW to be used as in class e-learning materials.

We believe the oral presentations by invited speakers are excellent teaching materials. We, therefore, seek permission from invited speakers of Ag-ESD Symposium 2016/TGSW to video record your presentation so that we can share and use them as in class e-learning materials.

N.B.

It is extremely important to return the signed Presenter's Agreement by E-mail to the Organizing Committee by June 3, 2016:

Please complete, sign, scan and return this form to us by E-mail to indicate that you understand and agree with the invitation letter.

Name: _____ Country: _____

Organization: _____

Signature: _____ Date: _____

**Send to: Agricultural and Forestry Research Center, the University of Tsukuba
E-mail: agesd@nourin.tsukuba.ac.jp**

**Invitation letter for Ag-ESD Symposium 2016/TGSW2016
-Young Researcher's Forum-**

Dear Invited young researchers

On behalf of the University of Tsukuba, it gives us great pleasure to invite you to attend the 2016 International Symposium on Agricultural Education for Sustainable Development (Ag-ESD Symposium 2016/TGSW2016) that will be held from September 17 to 19, 2016. The meeting will be under the auspices of a program prepared by the Agricultural and Forestry Research Center of the University in collaboration Tsukuba Global Science Week 2016 (TGSW2016) of the University of Tsukuba. Ag-ESD Symposium 2016/TGSW2016 will include an "Overseas Internship Session", "Young Researcher's Forum " and "Poster Session".

We invite you to participate in the "Young Researcher's Forum" on September 19, 2016. "Young Researcher's Forum" will focus on “Sustainable Development: Agriculture, Food and Environment”

Young Researchers will be required to contribute a summary and full paper to be published in the "Journal of Developments in Sustainable Agriculture (<https://www.jstage.jst.go.jp/browse/jdsa>)" in addition to an oral presentation (see "**Preparatory work**").

The Agricultural and Forestry Research Center of the University of Tsukuba will provide a roundtrip economy class air ticket from the international airport nearest to the participant's home to the Tokyo Narita International Airport, roundtrip travel expenses from Narita Airport to the University of Tsukuba, and the costs of room and board (including meals) for the duration of the symposium.

Participants are strongly encouraged to purchase Travel Insurance to cover their stay in Japan. No responsibility for insurance or any other expenses incurred on account of illness, injury, temporary or permanent disability, death and damage to a third party will be assumed by the organizer.

Sincerely yours,

Organizing Committee of Ag-ESD Symposium 2016 (TGSW2016)
Agricultural and Forestry Research Center, University of Tsukuba
Tsukuba, Ibaraki, 305-8577 JAPAN
Email: agesd@nourin.tsukuba.ac.jp

Preparatory work

Invited Participants for the "Young Researcher's Forum" Ag-ESD Symposium 2016/TGSW2016.

Each invited participant (young researcher) is requested to prepare a presentation for the meeting and a full paper to publish after the meeting.

1. Summary submission

To meet the objectives of the symposium, each invited participant is requested to prepare a one page summary (approximately 500 words in English) of their presentation in the format of the attached form with a recent color picture (example also attached) and send to the organizing committee (agesd@nourin.tsukuba.ac.jp) by **July 15, 2016**. All descriptions should be made in English. (see "Summary Example")

2. Oral Presentation

In the "Young Researcher's Forum", the presenters will have **no more than 20 minutes for their oral presentation and 10 minutes for discussion**. The best presenter will be selected with evaluations by invited participants and faculty members of UT.

*Equipment available for the presentation

- (1) Laptop computer (Windows 10) with Microsoft Office 2013
- (2) Liquid Crystal Display Projector (Computer projector)

Video recording of the presentation

We believe the oral presentations by invited speakers are excellent teaching materials. We, therefore, seek permission from invited speakers of Ag-ESD Symposium 2016/TGSW2016 to video record your presentation so that we can share and use them as in class e-learning materials. We appreciate you sign the presenter's agreement attached with the mail.

3. Full Review Paper for the Journal of Developments in Sustainable Agriculture (JDSA)

The Full Review Paper should be sent to the organizers by **September 30, 2016**. *Journal of Developments in Sustainable Agriculture* (JDSA) (<https://www.jstage.jst.go.jp/browse/jdsa/>), an online peer reviewed journal published by Agricultural and Forestry Research Center, University of Tsukuba. The subject matter of the paper should be relevant to the objectives of this symposium. Please carefully follow the "**Instructions to JDSA Authors**" and the check list for the organization and preparation of your paper. Page charges will be waived for all invited papers. Any questions about the journal format should be addressed to the editor of the journal (jdsa@nourin.tsukuba.ac.jp). The papers will be peer reviewed and corrections may be needed before actual publication in the journal. The papers are expected to be available online in 2017 at the above URL.

Summary Format

Name with Family Name in all Capital Letters (Bold 12 pt Times New Roman)

Position, Affiliation

Work Address

Recent Photo

E-mail

Specialty

Title of Presentation (Bold 14 pt Times New Roman)

Your summary should be single spaced and typed or pasted in this space

Use a 12 pt Times New Roman font.

Use right justification with 2.5 cm margins for top, bottom and both sides.

Length of the summary should not exceed one page.

Please include a recent photo in the space above (Recent Photo).



Dr. Atsushi TAJIMA

Professor, Graduate School of Life and Environmental Sciences

University of Tsukuba, Tsukuba, Ibaraki, Japan

E-mail: tajima@sakura.cc.tsukuba.ac.jp

Specialty: Animal Physiology

What to Eat ? An Ecological Perspective

Human is a typical omnivorous animal that can eat and digest a wide range of plant and animal resources. This is one of the major reasons that human residential area extends from the hot extreme in the desert to the cold extreme in the polar area on earth. Until about 10,000 year ago, human neither knew how to grow edible plants on the ground, nor how to manage animals under captivity. Human had to acquire food by hunting, fishing, gathering in the surrounding environment. In this respect, what our ancestors ate used to be dependent primarily on the habitation of wild plants and animals in the nature.

Habitation of wild plants and animals is determined mainly by two major physical conditions, namely temperature and water availability. By characterizing the environmental condition, Köppen classified the world climate into following 5 major categories: A for Tropical; B for Dry; C for Temperate; D for Cold; E for Polar. Each category is further divided into several sub-categories based on the variation of the climatic pattern within major categories. By overlaying the Köppen's classification of the world climate with the habitation of plants and animals, it is possible to draw a clear pattern between climatic condition and availability of food resources for human.

What to eat is no longer dependent simply on the surrounding environment, but affected by the income level of the citizen, political and economical situation among of the countries concerned. Potential problem arises when the trade imbalance of agricultural product exceed the carrying capacity of the environment. Current heavily unbalanced agricultural trade is considered to have negative impacts to the environment in both importing and exporting countries. In the long range, there is a potential danger that the habitation of local plants and animals are irreversibly damaged when the level of excess nutrients reaches the threshold, just like in the case of pesticide described in the "Silent Spring". The loss of topsoil and transfer of virtual water is also a matter of concern. A new rule should be developed to maintain the balance sheet of nutrients within a caring capacity of the environment to avoid "Alternative Silent Spring". In this respect, time has come to decide what to eat by considering the long-term ecological balance of the environment rather than simple short-term economical merit.

Instructions to JDSA Authors

The *Journal of Developments in Sustainable Agriculture* is a J-Stage based online English journal published by the Agricultural and Forestry Research Center, University of Tsukuba. *Journal of Developments in Sustainable Agriculture* publishes solicited and unsolicited articles on all aspects of sustainable agriculture. All submitted articles will be peer reviewed by two or more referees. The journal will be published and available online at <http://www.jstage.jst.go.jp/browse/jdsa/>. A limited number of hard copies of the journal will be published for distribution to the contributing authors.

Submission of Papers online:

Authors should submit their manuscripts by e-mail to the following address:

jdsa@nourin.tsukuba.ac.jp

Authors, Reviewers and Editors send and receive all correspondence by e-mail and no paper correspondence is necessary. If you have any further questions, you may direct your queries to:

jdsa@nourin.tsukuba.ac.jp

Submission of Papers through the mail:

However, if authors can not submit their manuscripts by e-mail, they are requested to submit one copy of their original manuscript, including good quality figures, and a CD copy to the Editorial Committee of JDSA, Agricultural and Forestry Research Center, University of Tsukuba, Tsukuba, Ibaraki, 305-8577 JAPAN. The electronic copy should match the hardcopy exactly.

Publication Charges:

Submitted papers including original manuscripts and reviews will be charged 2,000 yen/printed page. Color pages will be charged at a rate of 6,000 yen/page. An invoice will be sent to the corresponding author after publication of the journal. Page charges will be waived for all invited papers. However, invited papers that exceed 15 pages including figures and tables will be charged for the number of pages above 15 at the same rates described above. Reprints can be ordered at anytime directly from Soubun Publishing Company but the costs must be paid by the authors.

Manuscript Preparation

1) General:

The length of the manuscript should not exceed 30 double-spaced A4 pages, inclusive of figures and tables (10 printed pages). Longer papers may be published if there is sufficient reason and they are approved by the editor. It should be printed on one side of A4 (210 mm × 295 mm) paper, using double spacing and at least 25 mm margins on all sides. A Times New Roman font size of 12 pt is required. The corresponding author should be identified (include telephone, fax number

and E-mail address). Full postal addresses must be given for all co-authors. The Editors reserve the right to adjust style to certain standards of uniformity. Authors should retain a copy of their manuscript since we cannot accept responsibility for damage or loss of papers.

2) Text:

Follow this order when organizing manuscripts: Title, Authors, Affiliations, Running title (less than 10 words), Summary, Keywords, Introduction, Main text, Conclusions, Acknowledgements, References, Figure Captions, Tables and then Figures and Illustrations. **Do not import the Figures or Tables into your text.** Place tables at the end of the manuscript file and figures in a separate powerpoint, TIFF, EPS or other similar files. The corresponding author should be identified with an asterisk and a complete address and e-mail address provided. Please do not use footnotes in the title page or in the manuscript. Only standard abbreviations should be used. Subject specific abbreviations and jargon will not be accepted.

3) Summary:

This should be a brief summary of the contents and conclusions of the paper, and should be approximately 300 words and not contain references.

4) Keywords:

No more than five key word entries should be provided for rapid scanning of the contents of the paper and for compiling the index.

5) Introduction:

The introduction should contain a brief survey of the relevant literature and the reasons for doing the work.

6) Main Text:

The main text should be organized logically following the standard rules of English writing. Subtitles may be used to identify the content of each section.

7) Conclusion:

Briefly summarize the contents of the main text and discuss the importance of the findings presented in the main text. This may also include recommendations and applications.

8) References:

All publications cited in the text should be presented in an alphabetical list of references following the text of the manuscript. In the text refer to the author's name (without initials) and year of publication (e.g. "Since Peterson (1993) has shown that" or "This is in agreement with results obtained later (Kramer, 1994)". For three or more authors use the first author followed by "et al.", in the text. The list of references should be arranged alphabetically by authors' names and

follow the formats given below. The manuscript should be carefully checked to ensure that the spelling of authors' names and dates are exactly the same in the text as in the reference list. Publications in any other language than English should retain the original title and include an English translation in parentheses. However, publication in non-Latin alphabets should be transliterated, an English translation provided in parentheses and a notation such as (in Japanese) or (in Japanese with English abstract) should be added.

References should be given in the following formats:

Articles: Mateos, L., Mantovani, E.C., Villalobos, F.J., 1997. Cotton response to non-uniformity of conventional sprinkler irrigation. *Irrig. Sci.* 17, 47-52.

Books: Hillel, D., 1971. *Soil and Water-Physical Principles and Process*. Academic Press, NY.

Chapter in a Book: Baker, Jr., 1993. Insects. In: De Hertogh, A., Le Nard, M. (Eds.), *The Physiology of Flower Bulbs*. Elsevier, Amsterdam, pp. 101-153.

Government document: Center for Disease Control and Prevention, 1997. Lyme disease-United States, 1996. *Morgid Mortal. Wkly Rep.* 46, 531-533.

Internet URL: Steinfeld, H., Gerber, P., Wassenaar, T., Castel, V., Rosales, M., de Haan, C., 2006. *Livestock's Long Shadow: Environmental Issues and Options*. Rome: Food and Agriculture Organization of the United Nations. <http://www.fao.org/docrep/010/a0701e/a0701e00.HTM>, accessed on November 15, 2009.

References to papers "in press" must mean that the article has been accepted for publication.

References to "personal communications" and unpublished work are permitted in the text only; references to papers in preparation or submitted are not permissible.

Illustrations, Line Drawings and Photographs:

All illustrations should be provided as high quality figures suitable for reproduction (which may include reduction). Photographs, charts and diagrams are all to be referred to as "Figure(s)" and should be numbered consecutively in the order to which they are referred. They should accompany the manuscript, **but should not be included within the text**. Figures should be saved as powerpoint, TIFF, EPS or other similar formats. **Do not use word files for figures**. The file(s) for figures should be separate and named as to make clear which figure it is e.g. figs.ppt, fig1.tiff, fig 2.eps, etc. Type the figure number and manuscript authors and title on the bottom of the figure. All figures must have a caption that is supplied on a separate sheet of figure legends (included with the main text) after the references. The figure legend should state concisely what the figure shows. Color figures should only be used when absolutely necessary.

Tables:

Tables should be numbered consecutively and given a suitable caption and included at the end of the text after the figure legends. Footnotes to tables should be typed below the table and should be referred to by superscript lowercase letters. No vertical rules should be used. Tables should not duplicate results presented elsewhere in the manuscript, (e.g. in graphs). Units of measure should always be clearly indicated.

Permissions:

Authors are responsible for obtaining permission from the copyright holder to reproduce any figures for which copyright exists. The source of the material should be credited at the end of the figure legend or in a footnote of the table.

Offprints:

One copy of the journal will be sent to the contributing authors free of charge. PDF of the paper can be obtained free of charge online through J-Stage.

URL:<http://www.jstage.jst.go.jp/browse/jdsa/>

Copyright:

Copyright of all articles belongs to the Agricultural and Forestry Research Center, University of Tsukuba, Japan. All authors agree with the "Transfer of Copyright" at the time of submission of an article for publication.

Journal of Developments in Sustainable Agriculture

Manuscript Check List

To Authors

Before submitting your manuscript please use the following checklist to confirm that the format is correct and all necessary information is provided.

Confirm by checking the boxes in the right hand column.

Instructions for authors and recent published papers: <http://www.jstage.jst.go.jp/browse/jdsa/>

Items	Check
Title page:	
Title, Name of Author(s), Affiliation and Address, Running Title, and Corresponding Author should be provided.	
Avoid using abbreviations in the title.	
The first (given) and last (family) names of each author should be written in full spelling. Middle name should be written as an initial. Order: first name, middle initial, last name.	
Running title of 10 words or less should be provided.	
Complete institutional address and e-mail address of the corresponding author should be provided.	
Summary:	
Summary should be 300 words or less and clearly outline the content of the paper.	
Key words (5 words) should be provided below the abstract in alphabetical order, and be different than the title.	
Manuscript:	
The manuscript should be written in the order of Title Page, Summary, Introduction, Main Body, Conclusion, Acknowledgments and References. The main body of independent studies should be written as materials and methods, results and discussion with the conclusions included at the end of the discussion. The main body of review or overview papers should be arranged as subsections and a separate conclusion section. Avoid short incomplete paragraphs.	
Acknowledgments:	
Limit acknowledgments to just people and institutions that were directly involved in the specific study. The agency providing the funding should also be acknowledged	
References:	
Confirm that all references follow the format of the journal including punctuation, location of the year, etc. See the examples in instructions to the authors and samples provided below.	

References in the text should be written as: --- (Taylor, 1995; Taylor and Tajima, 2000; Taylor <i>et al.</i> , 2004). Taylor <i>et al.</i> (2004) reported --- .	
The list of references must be in alphabetical order by first author's last name. Multiple papers from the same author should use the last name of the second or subsequent authors or the oldest papers first to determine the order in the references. Use standard abbreviations for the journal names.	
Journals: (Sample) Mateos, L., Mantovani, E.C., Villablobos, F.J., 1997. Cotton response to nonuniformity of conventional sprinkler irrigation. <i>Irrig. Sci.</i> 17, 47-52.	
References for books: (Sample) Hillel, D., 1971. <i>Soil and Water-Physical Principles and Process</i> . Academic Press, NY.	
Reference for chapter in a book: (Sample) Baker, Jr., 1993. Insects. In: De Hertogh, A., Le Nard, M. (Eds.), <i>The Physiology of Flower Bulbs</i> . Elsevier, Amsterdam, pp. 101-153.	
Reference for government document: (Sample) Center for Disease Control and Prevention, 1997. Lyme disease-United States, 1996. <i>Morgid Mortal. Wkly Rep.</i> 46, 531-533.	
Reference for Internet URL: (Sample 1) FAO, 2006. <i>The State of Food Insecurity in the World (2006)</i> . Eradicating world hunger – taking stock ten years after the World Food Summit. http://www.fao.org/docrep/009/a0750e/a0750e00.HTM (accessed on October 10, 2008). (Sample 2) Steinfeld, H., Gerber, P., Wassenaar, T., Castel, V., Rosales, M., de Haan, C., 2006. <i>Livestock's Long Shadow: Environmental Issues and Options</i> . Rome: Food and Agriculture Organization of the United Nations. http://www.fao.org/docrep/010/a0701e/a0701e00.HTM (accessed on October 15, 2008).	
References to internet accessed documents should include as much information as possible to ensure readers can access the information. Double check to confirm the URL address provided is working and can be used to access the information.	
All papers cited in the text must be listed in the References.	
All papers in the References must be cited in the text.	
Papers not yet accepted for publication should not be listed in References (cite in text as “unpublished data”).	

Tables and Figures:	
Tables should be in black and white and the style and format follow the instructions for authors and recent issues. Submit the tables on separate pages in a word file (they can be at the end of the manuscript file).	
Abbreviations used in a table must be defined in that table.	
Limit use of color figures to only those absolutely necessary (publication costs are expensive for color pages). Do not use figures from other papers or from webpages unless absolutely necessary and you have obtained permission from the copyright holder. Submit figures as one power point file. A list of figure legends should be provided on a separate page at the end of the manuscript word file.	
Abbreviations used in the figures must be defined in the caption of that figure.	