



IRDCP
REMOVING BARRIERS IN THE RESEARCH

2nd International Conference on Agriculture, Chemical, Environment and Water Resource management (ICACEW-2023)

Jul 08-09, 2023

Souvenir



International Research
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About Conference

2nd International Conference on Agriculture, Chemical, Environment and Water Resource management (ICACEW-2023)

During the worldwide lockdown due to COVID 19 pandemic, a lot of important activities have come to a halt. However, when we look at the brighter side, all of us have more time for adding to our knowledge and insights.

With this aim, to keep contributing to learning and motivation International research and development Center for publication is going to organize a two-day International Conference with the title “**2nd International Conference on Agriculture, Chemical, Environment and Water Resource management (ICACEW-2023)**” on **Jul 08-09, 2023** through hybrid mode.

We hope, this online mode of the conference in COVID-19 pandemic will be an appreciable step in promoting the research activities and new information between researchers, developers, students, academicians and practitioners working in and around the world by keeping the social distance in view to stop the spread of COVID-19 disease. This conference aims is to present the current researches being carried out in the field of social science and education development around the globe.

Prospective authors from academia as well as industry are invited to submit their abstracts that illustrate original/unpublished works and industrial applications describing advances and significant innovations in the field.

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- **Dr. Md Mahadhi Hasan**, Assistant Professor, Department of English, Southeast University, Bangladesh.

Message

I am extremely pleased to share that International Research and Development Center for Publication (IRDCP) is organizing a two day “**3rd International Conference on Agriculture, Chemical, Environment and Water Resource management (ICACEW-2023)**” on Aug 26-27, 2023.

I am sure the state of art lectures from the invited experts and the research findings of researchers, academicians, utility engineers will enrich the knowledge of all the participants. It will provide an excellent opportunity for students to learn new ideas.

I offer my best wishes to the whole team of the organizing committee, the participants, and volunteers for the grand success of the conference.

Dr. Jyoti Basu
Convenor ICACEW -2023

Message

I am happy to know that International Research and Development Center for Publication (IRDCP) is organizing a two day “**2nd International Conference on Agriculture, Chemical, Environment and Water Resource management (ICACEW-2023)**” on Jul 08-09, 2023. I am sure that, this conference would provide an ideal platform for the academicians, scholars and experts to present and exchange their research findings and Ideas.

I wish the conference a great success.

Dr. Alexandra D. Solomou

Institute of Mediterranean and Forest Ecosystems, Terma Alkmanos, Ilisia, 11528, Athens, Greece.

INDEX

**Importance of plant products for sustainable management of yellow mite
(*Polyphagotarsonemus latus* Banks)**

Sunil Kumar Ghosh

2

Mourning in Selected Contemporary Amharic Novels

Dawit Dibekulu Alem, Tesfaye Dagneu, Tesfamaryam G/Meskel

5

Abstract of ICACEW -2023

Importance of plant products for sustainable management of yellow mite (*Polyphagotarsonemus latus* Banks)

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Abstract— Chilli (*Capsicum annum* L.) is an important spice and vegetable crop, commercially grown in India throughout the year. Chilli plant is susceptible to various insect and mite pests of which yellow mite, *Polyphagotarsonemus latus* (Banks), (Tersonemidae: Acarina) is most predominant. The mites attack young apical leaves, flower buds and cause curling and crumpling of young developing plant parts resulting shedding of flower buds, flowers and developing fruits. The incidence of this mite population always remained higher on upper canopy of the plant followed by middle canopy and lower canopy. Mites were most densely populated in the young and new leaves of chilli plant on upper canopy. So sprays should be carefully taken on the upper canopy. Among the seven treatments evaluated microbial toxin- avermectin resulted in the best suppression of mite population (86.32% suppression), closely followed by chemical insecticide, fenazaquin (73.07%) and mixed formulation of botanical pesticide, azadirachtin with botanical extract, *Spilanthes* (70.99%). The botanicals, *Spilanthes paniculata* floral parts and garlic were extracted in methanol. Four sprays at 10 day intervals were made. Mite population was recorded 3, 6 and 9 days after each spraying. Avermectin and mixture of azadirachtin with botanical extracts gave moderate to higher mite suppression (more than 64% suppression). Considering moderate to higher efficacy as well as its low toxicity to natural enemies and minimum impact on human health microbial toxin, botanical insecticides, botanical extracts can be incorporated in future Integrated Pest Management (IPM) and organic farming. Azadirachtin individually did not produce higher results but when mixed with botanical extracts gave higher results of mite control recording more than 64 % suppression. This treatment also is recommended for general farmers use.

Keywords— Bio-pesticides, Microbial toxin, Plant extract, Organic cultivation, IPM

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Mourning in Selected Contemporary Amharic Novels

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Abstract— The general objective of this study is to explore the representation of mourning and to find out the causes of mourning in the character in the selected Amharic novel (*concerning the novel Yäqanät Zär* (“*Zär of Jealousy*” by *Sisay Nigusu*). Specifically, this study aims to achieve the following specific objectives:

1. To describe the representation of mourning in the selected novel.
2. To examine the impact of mourning feelings in the selected novel.

This study is classified according to genre, topic, theoretical framework, and amount of text. It employs a qualitative methodology for psychoanalytic literary critique. So, using a theoretical framework created by Freud, Lacan, Klein's theory of object relations, and other theorists, a critical examination of theme concerns associated with mourning is conducted. The study's conceptual and general focus will be on looking at how meta-psychological ideas (Mourning) are portrayed in *the novel Yäqanät Zär* (“*Zär of Jealousy*). Methodologically, it will employ an Interpretivism research paradigm. The study falls under the general category of qualitative research, descriptive and analytical design. This study will have its contribution as it applies a psychoanalytic method in the analysis of literary works specifically novels. It explained how someone might experience melancholy and sadness after losing a loved one. It uses a qualitative method to analyse psychoanalytic literature. So, using a theoretical framework derived from psychoanalytic theory, notably the theory of mourning and melancholia and various grief and attachment theories developed by different theorists, a critical examination of theme concerns associated to mourning is conducted. Additionally, it made use of a descriptive and analytical study approach as well as interpretivism. The study's conclusion should be that the major characters experienced grief, as evidenced by their altered behaviour, self-blame, death wishes, and paralysis. The abrupt deaths of her boyfriend, her aunt, and other family members as well as the responsibility that the second subject, Semayhen, placed on himself for marrying his wife and wanting to murder her, were also discovered to be the causes of their melancholia. Semayneh, the main character, also experiences a sense of loss, and at the end, he has passed away. As a result, it

is suggested that more studies be done using a conceptual framework based on the research's findings. The abrupt deaths of her boyfriend, her aunt, and other family members as well as the responsibility that the second subject, Semayhen, placed on himself for marrying his wife and wanting to murder her, were also discovered to be the causes of their melancholia. Semayneh, the main character, also experiences a sense of loss, and at the conclusion, he has passed away. Based on the study's findings, it is suggested that more research be conducted on grief conceptually using other theoretical frameworks and other literary genres in Amharic literature.

Keywords— *Loss, Betrayal, Mourning, Bereavement, Psychoanalysis, and contemporary Amharic Novel*

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