



INTEGRAMEDIX



# Scientific writing and publication



## Course Objectives

You should be able to write and edit a manuscript with the aim to be published in high impact factor journals. Also, you should be able to write a thesis.

## Detailed Intended Learning Objectives (ILOs)

By the end of this course, you should be able to:

- Target your publication to a specific audience by “framing” their research story for increased impact.
- Acquire enough knowledge of the components of publishable manuscripts.
- Determine your writing strengths and weaknesses.
- Gain the focus needed to improve your writing skills.
- Communicate your scientific ideas most effectively.
- Develop individual manuscript sections.
- Assemble manuscript sections into a cohesive, clear paper.
- Respond effectively to journal reviewers and editors.
- Practice your writing skills with immediate feedback.
- Construct a memorable “take-home message” by connecting all parts of the paper in a flowing narrative.
- Use the writing process to guide & understand your own research.
- Overcome writer’s block by combating perfectionism and procrastination.
- Break your scientific research down into its core arguments.

- Build a logical narrative from those core arguments.
- Eliminate non-essential facts and concepts from a narrative.
- Restructure & formulate sentences to increase their clarity and enhance their functioning within a narrative
- Effectively use peer feedback to quickly develop a rough draft into a final manuscript.
- Provide peer feedback to quickly develop a rough draft into a final manuscript.

## Target audiences

Because our scientific writing workshop target the full spectrum of skills needed to prepare a manuscript for publication or to write a thesis. It is ideal for everyone from students just beginning their careers to experienced investigators wanting to refresh their focus and polish their writing skills.

This includes:

- Senior undergraduate students.
- Master and PhD students.
- R & D professionals who need to publish scientific papers.

## Trainer(s)

### • **Prof. Dr. Hytham Maymoon Abbas Ahmed, PhD.**

- Professor (associate) and vice dean for Postgraduate Studies and Research, Faculty of pharmacy, Menoufia University.
- PhD in pharmaceutical analytical chemistry, Bradford University, Bradford, England, UK.
- Has a unique international publication experience including peer-reviewed publications and book chapters.
- Holds IBCT certificate.

#### ➤ **EMPLOYMENT HISTORY**

- 2017- Now Vice Dean for Postgraduate Studies and Research, Faculty of pharmacy, Menoufia University and Associate Professor in Pharmaceutical Analysis in Pharmaceutical Analysis Department, Faculty of pharmacy, Menoufia university.
- 2015 - 2017 Vice Dean for Postgraduate Studies and Research, Faculty of pharmacy, Damanhur University and Associate Professor in Pharmaceutical Analysis in Pharmaceutical Analysis Department, Faculty of pharmacy, Damanhur University.
- 2011-2015 Lecturer in Pharmaceutical Analysis, in Pharmaceutical Analysis Department, Faculty of pharmacy, Damanhur University.
- 2008-2011 Lecturer in Pharmaceutical Analysis, in Analytical chemistry Department, Faculty of pharmacy, Minia University.
- 1999-2007 Teaching assistant in Analytical Chemistry, in Analytical chemistry department, Faculty of pharmacy, Minia University.

#### ➤ **Some of the SCIENTIFIC PAPERS:**

- A Barseem, H Ahmed, Y El-Shabrawy, F Belal (2019) "The use of SDS micelles as additive to increase fluorescence analysis of sitagliptin and saxagliptin derivatives in their tablets and human plasma" Microchemical Journal 146, 20-24
- MAA Ragab, MH Abdel-Hay, HM Ahmed, SM Mohyeldin (2019) "Application of Capillary Zone Electrophoresis Coupled with a Diode Array Detector (CZE-DAD) to Simultaneous Analysis of Ibuprofen and Phenylephrine" Journal of AOAC International, 102
- HYAE Abeer M. E. Hassan, H. M. Ahmed (2018) "New Simple Ion-Selective Membrane Electrode for Serious Environmental Pollutant, Mercury (II), Analysis in Aqueous Solution, Fluorescent Mercury Lamp White Dust, Mercurochrome and Dental Alloy" Current Analytical Chemistry 14 (1), 36-42
- MH Abdel-Hay, MAA Ragab, HM Ahmed, SM Mohyeldin (2017) "Diode array detection and derivative spectroscopic methods for stability study of Oxprenolol and Cyclopenthiazide in liquids" Journal of Molecular Liquids 231, 314-324
- Sanaa M. Emama, Abdou S. El-Tabla, Hytham M. Ahmed, Eman A. Emad (2017) "Synthesis, structural characterization, electrochemical and biological studies on divalent metal chelates of a new ligand derived [CV – HYTHAM AHMED, Ph.D.] Page 4 from pharmaceutical preservative, dehydroacetic acid, with 1,4-diaminobenzene" Arabian Journal of Chemistry, 10, S3816–S3825
- SA Mohammed, MS Eissa, HM Ahmed (2017) "Simple protein precipitation extraction technique followed by validated chromatographic method for linezolid analysis in real human plasma samples to study its pharmacokinetics" Journal of Chromatography B, 1043, 235-240.

## Course Content

S.No.	Title/ Subtitles	Training hours	Training method	Evaluation tool
<b>1</b>	<b>Preliminary Considerations</b> 1.1 What Is Scientific Writing and what Is a Scientific Paper? 1.2 Ethics in Scientific Publishing 1.3 Where to Submit Your Manuscript and how to Prepare a Cover Letter	<b>Total: 3 hours</b> 1 hour 1 hour 1 hour	Lecture  Group discussion	Survey Exam
<b>2</b>	<b>PREPARING THE TEXT</b> 2.1 How to Prepare the Title, List the Authors and Addresses and the Abstract. 2.2 How to Write the Introduction and the Materials and Methods Section. 2.3. How to Write the Results and the Discussion. 2.4 How to Cite the References	<b>Total: 4 hours</b> 1 hour 1 hour 1 hour 1 hour	Workshop  Workshop Workshop Workshop	Demonstration
<b>3</b>	<b>PREPARING THE TABLES AND FIGURES</b> 3.1 How to Design Effective Tables 3.2 How to Prepare Effective Graphs and Photographs	<b>Total: 2 hours</b> 1 hour 1 hour	Workshop Workshop	Demonstration
<b>4</b>	<b>PUBLISHING THE PAPER</b> 4.1 How to Submit the Manuscript 4.2 The Review Process and Response to Reviews	<b>Total: 2 hours</b> 1 hour 1 hour	Workshop Workshop	Presentation
<b>5</b>	<b>How to Write a Thesis and protocol for MSc or PhD.</b>	<b>Total: 3 hours</b>	Lecture	Presentation



No. of Trainees

Maximum Number is **15 Trainees**.

Training  
Package

Soft copy of the secured presentation.

Training  
Language

English with Arabic Communication.

Certification

INTEGRAMEDIX Ltd. provides the certificate after passing the exam. (In case of failure, a certificate of attendance will be provided.)

