

SCIENTIFIC WRITING AND PRESENTATION

ENT-402

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Monograph

- A detailed book-length study of a specialized topic
- A specialist book on a single subject written by one author

Monograph – key features

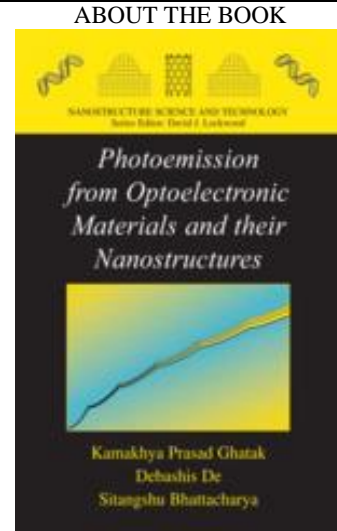
- **What you submit:** A research-report with a comprehensive record of pretty much the total research you did during your MS/PhD time. It can include all findings of your study right from the start until the end.
- **Authorship:** You are the only author.
- **Language:** The monograph might be written in the national language. You may have an option to choose between your national language(s) or English.
- **Lengths:** It varies. We've seen anything between 100 pages (a bit on the short end) and up to 1,500 pages. No kidding, this was a human geographer who graduated after 12 years and today is a professor at a university in the Netherlands. Most monographs would be in the range of 150 to 250 pages.

Benefits of a monograph

- If you opt for a monograph, you'll have this grand piece of work – all done in your MS/PhD years – and it will remain for the rest of your life.
- It looks impressive on the book shelf in your office or in the library.
- You have a lot of freedom in the way you write, deciding rather freely on the layout, and how to include photographs, tables, figures or data-sheets.
- You're not dependant on any external determining factors like the editorial and peer-review process of a journal. That means you have more freedom with the timeline in which you write your dissertation – it is you who makes the decisions.

- Research monographs can be reformatted editions of dissertations, theses, or other significant research reports.
- Monographs are published by university presses and commercial scholarly publishers.
- A point of difference is that authors may get a royalty payment for monographs, whereas for most other research dissemination, such as journal articles and conference papers, authors do not receive direct payment.
- As a commercial work, a monograph will typically be edited to be readable to a more general or specific audience, depending on to whom the publisher will be marketing the book.
- The readership of a research monograph will likely be individuals with varying levels of expertise in the field, ranging from students to academics, practitioners to lay people.
- When writing, you can assume the reader will have some interest in the topic, but he or she may not have much background in the field.
- Research monographs are usually peer-reviewed.

Sample of a monograph



Photoemission from Optoelectronic Materials and Their Nanostructures is the first monograph to investigate the photoemission from low-dimensional nonlinear optical, III-V, II-VI, GaP, Ge, PtSb₂, zero-gap, stressed, bismuth, carbon nanotubes, GaSb, IV-VI, Pb_{1-x}Ge_xTe, graphite, Te, II-V, ZnP₂, CdP₂, Bi₂Te₃, Sb, and IV-VI materials. The investigation leads to a discussion of III-V, II-VI, IV-VI and HgTe/CdTe quantum confined superlattices, and superlattices of optoelectronic materials. Photo-excitation changes the band structure of optoelectronic compounds in fundamental ways, which has been incorporated into the analysis of photoemission from macro- and micro-structures of these materials on the basis of newly formulated electron dispersion laws that control the studies of quantum effect devices in the presence of light. The importance of the measurement of band gap in optoelectronic materials in the presence of external photo-excitation has been discussed from this perspective. This monograph contains 125 open-ended research problems which form an integral part of the text and are useful for graduate courses on modern optoelectronics in addition to aspiring Ph.D.'s and researchers in the fields of materials science, computational and theoretical nano-science and -technology, semiconductor optoelectronics, quantized-structures, semiconductor physics and condensed matter physics.

Thermoelectric Power in Nanostructured Materials : Strong Magnetic Fields	Sitangshu Bhattacharya	2010	Springer Series in Materials Science, New York
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- Download the full monograph as a sample, link is given below

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