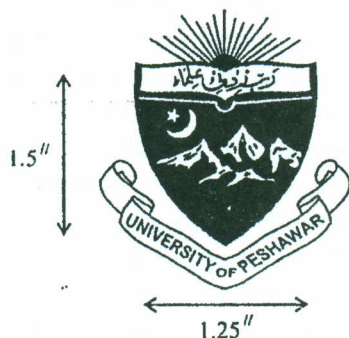


**RESEARCH PROPOSAL**Time new roman  
18 Bold

EVALUATION OF ANTIBACTERIAL, ANTIFUNGAL, ANTIOXIDANT  
ACTIVITIES AND PHYTOCHEMISTRY OF SOME SELECTED SPECIES  
BELONGING TO FAMILIES PINACEAE, SOLANACEAE AND  
GUTTIFERAE

Time new roman  
14 Normal  
Capital Letters

SUBMITTED BY

A.B.C.  
M.Phil / Ph.D SCHOLAR

RESEARCH SUPERVISOR

X.Y.Z.  
Designation \_\_\_\_\_CO SUPERVISOR (if any)  
(with work address & affiliation)X.Y.Z.  
Designation \_\_\_\_\_

GRADUATE STUDIES COMMITTEE

Time new roman  
14 Normal  
Capital Letters

(Convener)

(Member)

(Member)

Time new roman  
12 Normal  
Small Letters

(Member)

(Member)

**INSTITUTE OF CHEMICAL SCIENCES**  
**UNIVERSITY OF PESHAWAR**  
**(AUGUST 2006)**

Time new roman  
16 Bold

Margin Specification:

Top Margins 1"

Bottom Margins 1"

Left Margins 1.5"

Right Margins 1"

## UNIFORM FORMAT OF SYNOPSIS

1. **Faculties of Life & Environmental Sciences and Numerical Sciences.**
2. **Faculties of Social Sciences, Management & Information Sciences and Arts & Humanities**
3. **Faculty of Islamic & Oriental Studies.**

### **Title Page:**

All Synopses should be headed by a concise, specific and informative title. It must grammatically correct and should convey to the reader the nature of the work to be carried out. The title should be in capital words (Times New Roman 14 Normal). The title must be followed by the University Monogram (Dimension: Horizontal, 1.25; Vertical, 1.5) followed by Scholar name (Times New Roman 12 Normal Capital Words), supervisor name, Co supervisor name (If any) along with work address and Affiliations (in case of Co Supervisor). In case of supervisor no need to mention work address and Affiliations (Times New Roman 12 Normal Capital Words), followed by Graduate Studies Committee (Times New Roman 14 Normal capital Letters), Signature columns for Convener, and members of Graduate Studies Committee (Times New Roman 12 Normal Small letters), followed by address of the Department/ Institute/Centre where the student is enrolled along with session (Times New Roman 16 bold).

### **Margins are detailed as under:**

Top Margin: 1.0 Inch  
Bottom margin: 1.0 Inch  
Left Margin: 1.5 Inch  
Right Margin: 1.0 Inch

### **Page 1: Text Layout**

The title must be provided on the first line below the page header.

All materials must be typed (12-point font, Times New Roman) and double-spaced on A-4 paper. The text should be provided under headings, namely, Introduction, Aims and Objectives, Plan of Work, Methodology, Acknowledgement and References. Headings and subheadings for different sections should be clearly indicated. Abbreviations should be used consistently throughout the text, and must be clearly defined in full on first use. Synopsis should be between 5 to 10 pages properly paginated (in the upper right-hand corner of each page).

### **Introduction (Times New Roman 12 bold)**

Each synopsis should have a brief Introduction. The Introduction, should provide a critical analysis of the available and appropriate literature to identify an objective whose accomplishment will provide a significant contribution to the field, i.e. the work may either provide something new to the field or will improve upon the existing knowledge or develop a new methodology or device having major advantages over those already known.



### **Aims and Objectives** (Times New Roman 12 bold)

Aims and objectives, significance, review of previous research in the area showing the need for conducting the proposed research, proposed methods, expected outcomes and their importance must be provided.

### **Plan of Work** (Times New Roman 12 bold)

Plan of work should outline the phase-wise distribution of the conduct of proposed research so that the desired outcome is accomplished within the periods prescribed for the degree pursued in accordance with the University's M.Phil and Ph.D rules.

### **Methodology** (Times New Roman 12 bold)

The proposed research methodology should be described including collection of samples, processing of samples, analytical protocol, and analysis of samples using state of the art instrument to be used (if any).

### **Acknowledgment** (Times New Roman 12 bold)

In case if the work is a collaborated work, than Acknowledgement of the people and organizations should be made Acknowledgements should be kept as short as possible, and placed at the end of the text (before References).

### **References** (Times New Roman 12 bold)

References in the text should be cited in one of the following ways:

- by number e.g results indicated (3, 7, 8),
- by superscript number e.g results indicated<sup>3,7,8</sup>.
- by author name and date. e.g (Andres et al., 1997).

### *Please note while Citing References in Text*

1. Collect references in a list under the heading "References" at the end of the text. They should not be treated as footnotes.
2. References must be numbered with Arabic numerals in the order of their first citation in the text and the corresponding numbers placed at the appropriate locations in the text as superscripted numerals without parentheses or brackets or Indicate references in text by a number in parentheses on line in the text. Put a reference list at the end in alphabetical order if references were cited by author and date If you choose to use numerical references, begin with 1 and then number each reference consecutively. Which ever format amongst the three is chosen, be stick to the same in all the references. Mixed format is not acceptable.
3. To cite more than one reference at a time, include the reference numbers in increasing order separated with comas (no spaces in superscript, spaces on line). Use a dash if the numbers are part of a continuous series of 3 or more references.

4. Each reference number should refer to a single source.
5. Do not leave blank lines between references.
6. If a reference is cited more than once, it does not receive a new number.
7. If citing more than one reference at a time, include reference numbers in increasing order separated by commas.
8. Verify the accuracy of all reference before citation.
9. Unnecessarily long lists of references should be avoided.
10. Citation of References to unpublished materials that are not generally available to the scientific public should be avoided.

A: **References style for Faculties of Life & Environmental and Numerical Sciences.**

1. **Journal Articles**

The format is: Author, abbreviated journal title, year, publication, volume number, and initial page of cited article (complete pagination is allowed).

**Sample:**

Author, A. B.; Author, C. D. *J. Abbrev.* **19XX**, vol, xx-yy.

- Article titles not essential
- Journal abbreviation and volume must be italicized
- Year of publication is **bolded**
- No comma or semicolon before or after journal titles

**Example of Citations**

Dathe, M.; Schumann, M.; Wieprecht, T.; Winkler, A.;  
Beyermann, M.; Krause, E.; Matsuzaki, K.; Murase, O.; Bienert,  
M. *Biochemistry* **1996**, 35, 5 (38), 12612-12622.

2. **Magazine with dates instead of volume numbers**

While citing a reference from Magazine with dates instead of Volume Number, The following sample must be followed:

**Sample:**

Author, A. B.; Author, C. D. *Magazine Abbrev.* October 26, 1995,  
p. 20

### 3. Book

The minimum required information for citation from a BOOK is author or editor, book title, publisher, city of publication and year of publication. Follow the following examples:

- a. ***Book without editors:***  
Author, A. B.; Author, C. D. *Book Title*; Series Name and number; Publisher: City, STATE (2 letters), year; Vol. 1, pp xx-yy.
- b. ***Book with editors, no authors named:***  
*Book Title*: Editor, A. B.; Editor, C. D., Eds.; Series Name and number; Publisher: City, STATE (2 letters), year; Vol. 2, pp xx-yy.
- c. ***Book with editors and authors named:***  
Author, A. B. In *Book Title*; Editor, C. D.; Ed.; Series Name and number; Publisher: City, STATE (2 letters), year; Vol. 3, pp xx-yy.

#### Example of Citations

Anastas, P. T.; Warner, J. C. *Green Chemistry: Theory and Practice*; Oxford University Press: Oxford, 1998.

*Anisotropic Organic Materials: Approaches to Polar Order*; Glaser, R., Kaszynski, P., Eds.; ACS Symposium Series 798; American Chemical Society: Washington, DC, 2001.

Asmus, K. D. Recent aspects of thiyl and perthiyl free radical chemistry. In *Active oxygens, lipid peroxides, and antioxidants*; Yagi, K., Ed.; Japan Scientific Societies: Tokyo; CRC: Boca Raton, FL, 1993; pp 57-67.

### 4. Patent

If a reference to be cited from a patent work, then the following format must be followed:

Author, A. B. U.S. Patent 3,123,456, year.

#### Example of such Citations

Stern, M. K.; Cheng, B. K. M. Process for preparing N-(p-nitroaryl) amides via reaction of nitrobenzene with nitriles. US Patent 5,380,946, 1995; *SciFinder Scholar* AN 1995:354698 (accessed 9/8/02).



5. **Thesis**

In case a thesis is cited, then the format is:

Author, A. B. Ph.D. thesis, Institution Name, City, STATE, year.

**Example of such Citations**

Enander, R. T. Lead particulate and methylene chloride risks in automotive refinishing. Ph.D. Thesis, Tufts University, Medford, MA, 2001

6. **Online Journal**

Online journal articles are cited using the same format as print journals. Add "[Online]" after the journal name. Include inclusive pagination or other identifying information such as DOI number (If Any).

**Example of such Citations**

Deno, N. C.; Richey, H. G.; Liu, J. S.; Lincoln, D. N.; Turner, J. O. *J. Amer. Chem. Soc.* [Online] 1965, 87, 4533-4538.

Borman, S. Sucrose Synthesis Sets A Record. *Chem. Eng. News* [Online] 1990, 78, 52.

7. **Open Access, Fulltext Article within a Database**

In this case, the following formate must be followed:

Payne, D. *Med. Post* [Online] 2004, 40, 52. Available from ProQuest Research Library. <http://proquest.umi.com> (accessed 3/25/04).

Tator, C; Carson, J. D.; Cushman, R. *Can. Med. Assoc. J.* [Online] 2000, 162, 787. Available from Academic Search Elite EBSCOhost. <http://search.epnet.com> (accessed 3/25/04).

**B: For Faculty of Social Sciences, Management & Information Sciences and Arts & Humanities**

The remaining text layout of the Synopsis shall stand the same as described in case of Faculty of Life and Environmental Sciences. However, for citation of References, the following style(s) must be followed.

Author(s), year of Publication and source of reference

***Example of Such Citation:***

Paloutzian, R. F. (1996). *Invitation to the psychology of religion* (2nd ed.). Boston: Allyn and Bacon.

In case of citing Encyclopedia, the following style must be followed:

Author(s) or editor(s), date of publication, title, place of publication, and the name of the publisher.

***Example of Such Citation:***

Sadie, S. (Ed.). (1980). *The new Grove dictionary of music and musicians* 6th ed., Vols. 1-20. London: Macmillan

**4. Web document on university program or department Web site**

***Example of Such Citation:***

Degelman, D., & Harris, M. L. (2000). APA style essentials. Retrieved May 18, 2000, from Vanguard University, Department of Psychology Web site: [http://www.vanguard.edu/faculty/ddegelman/index.aspx?doc\\_id=796](http://www.vanguard.edu/faculty/ddegelman/index.aspx?doc_id=796)

**5. Stand-alone Web document (no date)**

***Example of Such Citation:***

Nielsen, M. E. (n.d.). Notable people in psychology of religion. Retrieved August 3, 2001, from <http://www.psywww.com/psyrelig/psyrelpr.htm>

**6. Stand-alone Web document (no author, no date)**

***Example of Such Citation:***

Gender and society. (n.d.). Retrieved December 3, 2001, from <http://www.trinity.edu/~mkearl/gender.html>

**7. Journal article from database**

***Example of Such Citation:***

Hien, D., & Honeyman, T. (2000). A closer look at the drug abuse-maternal aggression link. *Journal of Interpersonal Violence*, 15, 503-522. Retrieved May 20, 2000, from Pro Quest database.

8. **Abstract from secondary database**

*Example of Such Citation:*

Garrity, K., & Degelman, D. (1990). Effect of server introduction on restaurant tipping. *Journal of Applied Social Psychology*, 20, 168-172. Abstract retrieved July 23, 2001, from PsycINFO database.

9. **Journal article, Internet-only journal**

*Example of Such Citation:*

Bergen, D. (2002, Spring). The role of pretend play in children's cognitive development. *Early Childhood Research & Practice*, 4(1). Retrieved February 1, 2004, from <http://ecrp.uiuc.edu/v4n1/bergen.html>

10. **Article or chapter in an edited book**

*Example of Such Citation:*

Shea, J. D. (1992). Religion and sexual adjustment. In J. F. Schumaker (Ed.), *Religion and mental health* (pp. 70-84). New York: Oxford University Press.

11. **Technical and Research Reports**

Author(s), date of publication, title, place of publication, and name of publisher.

Issuing organization assigned number (e.g., report number, contract number, or monograph number) to the report, must be mentioned in parentheses immediately after the title.

*Example of Such Citation:*

U.S. Department of Health and Human Services. (1992). *Pressure ulcers in adults: Prediction and prevention* (AHCPR Publication No. 92-0047).

Osgood, D. W., & Wilson, J. K. (1990). *Covariation of adolescent health problems*. Lincoln: University of Nebraska. (NTIS No. PB 91-154 377/AS)

C: **For Faculty of Islamic & Oriental Studies.**

The Dean faculty of Islamic & Oriental Studies is requested to prepare a uniform format for the faculty.