

IUPAC Workshop and Task Group Meeting on Development of Methodologies and Protocols on Documentation, Evaluation of Safety & Efficacy and Standardization of Herbal Medicine

06-09 June 2006 LGED, Dhaka, Bangladesh

MINUTES OF THE TASK GROUP MEETING

The IUPAC Workshop was followed by the Task Group Meeting on 7-9 June 2006 at HCDP, Kawran Bazar, Dhaka, Bangladesh. The Task Group Members along with selective Scientists and members of the Organizing Committee were present (**Appendix I**). Prof M Mosihuzzaman chaired the meeting and welcomed all the members. He presented a brief introduction and objectives of the workshop and Task Group meeting.

Prof Liev Sydnes, immediate Past President of IUPAC described the importance of the workshop and made some valuable suggestions for future work.

All the members present took active part in discussion on the specific topics of Documentation, Efficacy, Safety and Standardization of Herbal Medicine. Initially the modalities of preparing the protocols for these topics were discussed and a Table of Contents were prepared. The members then sat separately in four groups to bring in targeted proposals. During the 3-day meeting several intensive joint meetings of the groups were held and finally on the last day of the meeting a set of activities were decided with time frames and distribution of tasks among the members in four different groups with a convener for each groups. It was also pointed out that the groups may include additional members or discuss with relevant persons as and when necessary.

The planned activities and decisions are outlined here.

01. Prof M Mosihuzzaman, Chair of Task Group and Prof Iqbal Choudhary were elected as the **Editor-in-Chief** and **Executive Editor** respectively. However, another Technical/Professional Editor can be appointed if necessary.
02. All members agreed to prepare two reports as achievements of the Task Group Meeting and the Workshop. One will be a Protocol on Standardization, Safety and Efficacy of Herbal Medicinal Products and the other one will be a report to be published as a book by a well known International Publisher.
03. The title of the book will be **Standardization, Safety and Efficacy of Herbal Medicinal Products: A Practical Approach**
04. All members agreed to the contents of the Protocols and the Book (**Appendix II**).

05. Four groups with a convener were made based on the main topics of the workshop (**Appendix III**). The convener of each group will give monthly report to the Task Group Chair to inform the progress of preparation of the reports.
06. Each group will prepare 5-10 pages report for the protocol and 30-40 pages report for the book. In each case they will follow the format: A4 size, 12 point font, Times New Roman, 1.5 lines space.
07. Prof M Iqbal Choudhary and Prof Bilge Sener were given responsibility to compile points 2 & 3 of Contents (Introduction-Background, review of existing reports, guidelines, challenges etc. and Processes in Herbal Medicine).
08. Task Group Chair will invite Prof Jerry Boedeker (UK), Dr Mohammad Farah (WHO) and Prof Dr. Osman Ghani, Hamdard, Karachi, Pakistan to write on Legislation, Regulation, Monitoring, Education and Public awareness of Herbal Medicine.
09. All members agreed to the following time frame for writing the book chapters and preparing the protocols

30 September 2006-Submission of report from each group to Task Group Chair

31 December 2006-Submission of Protocols to IUPAC

10. Task Group Chair and other members planned to meet again on 11 November 2006 in Kuala Lumpur, Malaysia between the 5th International ANRAP Seminar on 08-10 Nov 2006 to be held in Kuala Lumpur, Malaysia and ASOMPS XII meeting in Padang, Indonesia on 13-18 Nov, 2006.
11. In all cases, the Chair of the Task group will electronically communicate with Task Group Members, Report Writing Committee and other relevant scientists who can contribute to this project.
12. The Chair of the Task Group will be responsible for preparing the Executive Summary of the Protocol and the Book.
13. Once the book is published, it will be launched in different countries. Special considerations will be given to distribute the book in International Conferences for example, IUPAC Conference in Florence, Italy 2007.
14. Two Research Fellows who have been working during the Workshop will continue their work until 31 December, 2006.

Prof Mosihuzzaman concluded the Task Group Meeting with special thanks to the members for their contributions.

Appendix I

The following members attended the Task Group Meeting

1. Professor M Mosihuzzaman, Department of Chemistry, University of Dhaka
2. Professor Liev Sydnes, Past President, IUPAC, University of Bergen, Norway
3. Professor Barry N Noller, University of Queensland, Australia
4. Professor Nilufar Nahar, Department of Chemistry, University of Dhaka
5. Professor Bishwapati Mukherjee, SN Pradhan Center for Neurosciences, Kolkata, India
6. Professor Liaquat Ali, Biomedical Research Group, BIRDEM, Dhaka
7. Professor M Iqbal Choudhary, HEJ Research Institute of Chemistry, Karachi, Pakistan
8. Professor Bilge Sener, Dept of Pharmacognosy, Gazi University, Ankara, Turkey
9. Professor Nordin Hj Lajis, University of Putra, Malaysia
10. Professor Vijaya Kumar, University of Peradeniya, Sri Lanka
11. Professor Ermius Dange Haile, University of Addis Ababa, Ethiopia
12. Professor Begum Rokeya, Research Division, BIRDEM
13. Dr. Matiur Rahman, Director, BNH, Dhaka
14. Dr. Fazlul Huq, Ex-Director, BCSIR, Dhaka, Bangladesh
15. Mr Mahbubur Rahman Saki, Jayson Natural Products Ltd, Dhaka
16. Dr Subrina Murshed, Research Division, BIRDEM, Dhaka
17. Dr Mohammad Shoeb, Department of Chemistry, University of Dhaka
18. Mr Shahidul Alam, Hamdard Laboratory (waqf) Bangladesh

Appendix II

Contents of the Book

1. Executive Summary
2. Introduction-Background, review of existing reports, guidelines, challenges, issues, needs and definitions
3. Processes in herbal medicine - Plants to consumers: Flowchart
4. Documentation and IPR
5. Safety
6. Efficacy
7. Standardization
8. Legislation, Regulation and Monitoring
9. Education and Public awareness
10. Suggestions
11. References
12. Appendices
13. Glossary

The contents of each of the main Protocols on Documentation & IPR, Standardization, Safety and Efficacy

1. Introduction
2. Current Status
3. Constraints and Challenges
4. Recommended Protocols
5. Case Studies in Boxes

Appendix III

Distribution of responsibilities

(Dead line for submission of book chapter and protocols:: 30 September 2006)

Group 1: Documentation & IPR

1. Professor Vijaya Kumar (**Convener**), University of Peradeniya, Peradeniya, Sri Lanka
(vkumar@pdn.ac.lk)
2. Professor Ermius Dange Haile, University of Addis Ababa, Ethiopia
(edagne@yahoo.com, erda@chem.aau.edu.et)
3. Professor Gurib-Fakim Ameenah, University of Mauritius, Reduit, Mauritius
4. Professor Nilufar Nahar, Department of Chemistry, University of Dhaka, Dhaka
(nifarnahar@yahoo.com)
5. Dr. Matiur Rahman, Director, BNH, Dhaka
6. Dr. Fazlul Huq, Ex-Director, BCSIR, Dhaka

Group 2: Safety

1. Professor Barry N Noller (**Convener**), University of Queensland, Australia
(b.noller@uq.edu.au)
2. Professor Bilge Sener, Dept of Pharmacognosy, Gazi University, Ankara, Turkey
(bilgesen@gazi.edu.tr)
3. Professor A K Azad Khan, Secretary General, DAB, Dhaka
4. Professor Bishwapati Mukherjee, SN Pradhan Center for Neurosciences, Kolkata, India
(impuffer@cal2.vsnl.net.in)
5. Dr Mohammad Shoeb, Department of Chemistry, University of Dhaka, Dhaka
6. Mr Shahidul Alam, Hamdard Laboratory (waqf) Bangladesh

Group 3: Efficacy

1. Professor Liaquat Ali (**Convener**), Biomedical Research Group, BIRDEM, Dhaka
2. Professor M Iqbal Choudhary, HEJ Research Institute of Chemistry, University of Karachi, Pakistan (hej@cyber.net.pk)
3. Professor K Hostettman, Lausanne, Switzerland
(kurt.hostettmann@pharm.unige.ch)
4. Professor Begum Rokeya, Research Division, BIRDEM, Dhaka
5. Sujit Bhattacharya, ICMR, Kolkata, India

Group 4: Standardization

1. Professor Nordin Hj Lajis (Convener), University of Putra, Malaysia
(nhlajis@ibs.upm.edu.my)
2. Professor Iqbal Choudhary, HEJ Research Institute of Chemistry, University of Karachi, Pakistan (hej@cyber.net.pk)
3. Professor Ikhlas A. Khan, (ikhlan@olemiss.edu)
4. Professor H Wagner, Munich, Germany
(H.Wagner@cup.uni-muenchen.de)
5. Professor Bishwapati Mukherjee, SN Pradhan Center for Neurosciences, Kolkata, India
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6. Dr Subrina Murshed, Research Division, BIRDEM, Dhaka
7. Mr Mahbubur Rahman Saki, Jayson Natural Products Ltd, Dhaka
8. Professor Bilge Sener, Dept of Pharmacognosy, Gazi University, Ankara, Turkey
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9. Professor Rudolf Bauer, Austria, (rudolf.bauer@uni-graz.at)