

RESUME FOR

PROFESSOR DR. ABUL KALAM AZAD CHOWDHURY

1. PERSONAL DETAILS:

Name : Dr. Abul Kalam Azad Chowdhury

Date and Place of birth : October 21, 1946, Feni, Bangladesh

Father's Name : Late Mr. Siddiqur Rahman Chowdhury

Mother's Name : Late Mrs. Anwara Begum Chowdhury

Present Position : **Chairman (State Minister)**, University Grants Commission of Bangladesh

Past Positions : **Vice Chancellor**, University of Dhaka, Sept' 96 to Nov 2001.
Invited Professor, 2003, Dept. of Biology, Conservatoire National des Arts et Métiers (CNAM), 75003 Paris, France.
Professor, Department of Clinical Pharmacy and Pharmacology University of Dhaka. Bangladesh.

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2. ACADEMIC QUALIFICATIONS:

<i>Degree</i>	:	B.Sc. in Biochemistry
<i>Class</i>	:	First class
<i>Year</i>	:	1967
<i>Institution</i>	:	University of Dhaka

<i>Degree</i>	:	M.Sc.(Thesis) in Biochemistry
<i>Class</i>	:	First class
<i>Year</i>	:	1968
<i>Institution</i>	:	University of Dhaka

<i>Degree/ Position</i>	:	Ph.D. in Pharmacy
<i>Year</i>	:	1976
<i>Institution</i>	:	University of Manchester, UK

<i>Degree</i>	:	Post-Doctoral Research Fellow in Chemistry
<i>Year</i>	:	1976-77
<i>Institution</i>	:	University of Nottingham, UK

Degree/ : DAAD Fellow, Post-Doctoral Research in Pharmacy
Year : 1984
Institution : Braunschweig Technical University, West Germany

Degree/ Position : Commonwealth Academic Staff Fellow
Year : 1985
Institution : University of Nottingham, UK

Degree/ Position : EEC Fellow
Year : 1995-96
Institution : National Institute of Health (INSERM), Paris, France

3. AWARDS AND DISTINCTIONS:

- Awarded Mercantile Bank GOLD MEDAL for outstanding contribution in the field of higher education 2009.
- Distinguished Citizen Honor for Outstanding Contribution to Higher Education in Bangladesh by Addiction Treatment, Rehabilitation and Research Center, BIRBA, and General Hospital, 1999.
- Awarded Gold Medal by ADHUNIK a non-profit organization, for Contribution to Anti-Smoking Campaign in Bangladesh 1998.
- Awarded Julio Curie Fellowship by EEC in 1995
- Commonwealth Academic Staff Fellowship (UK), 1984-1985.
- German Academic Exchange Fellowship (DAAD), 1984
- Awarded RAB CHOUDHURY Gold Medal by Dhaka University for Original Research, 1978.

4. POLICY PLANNING AND ADMINISTRATIVE POSITIONS:

- Vice Chancellor, University of Dhaka, Dhaka, Bangladesh, Sept. 1996 to Nov.2001
- Dean, Faculty of Pharmacy, University of Dhaka, 1995-1996.
- Chairman, Department of Pharmacy, University of Dhaka, 1983-1987.
- Temporary Adviser, Essential Health Technology, SIGN , WHO-Geneva, Oct 23-27, 2007
- Coordinator & Founder Member and Elected Member of Central Committee, International Network for Rational Use of Drugs (INRUD), Arlington, USA.
- Member, National Health Policy Formulating Committee of Bangladesh, 1997-2000
- Member, National Formulary Committee of Bangladesh
- Member, Drug Appellate Authority, Govt. of Bangladesh, 1991-1996.
- Member, National Drug Control Committee, 1984-1990.
- WHO-Regional Expert on Essential Drugs.
- Member, WHO Essential Drug Programme Evaluation Team, Bangladesh, 1989.

5. ELECTIVE POSITIONS:

- Member of Learned Bodies/Fellow, Bangladesh Academy of Sciences
- President, Bangladesh Association for Advancement of Sciences, 1999- to 2004.
- Member, Dhaka University syndicate, 1982-85 and 1993-1996.
- Member, Dhaka University Senate, 1988-1992 and 1993-1996.
- General Secretary, Dhaka University Teachers Association, 1982-1983.
- Member, Council of Advisers, Bangladesh Awami League, 2001 to date
- Coordinator, National Committee for Relief and Rehabilitation of Flood 1998
- Coordinator, Flood & Flood Management Study Group of Bangladesh, 1998.

6. CONFERENCES AND SEMINARS ATTENDED:

- Estimate for International Training program on “Transforming Tertiary Education for Innovation & Competitiveness” 06-09 May 2011, The Bali International Convention Centre, Indonesia.
- Annual Meeting of the Safe Injection Global Network (SIGN), 23-25 October 2007, WHO headquarter, Geneva, Switzerland
- 2nd International Conference on Improving Use of Medicine, Chiang Mai March,30-2 April,2004.
- Organized the Convention on Crime against Humanity, Dhaka, Feb. 14, 15, 2002
- Invited Panelist at the Oxford Round Table on Higher Education, St. Antonys College, Oxford University. July 8-13, 2001
- Asian Symposium on Medicinal Plants & Spices, Nov.18-23, 2000.
- The UN Millennium Assembly (55th UNGA session), New York, October 5-13, 2000.
- Distinguished Annual Bangabandhu Lecture, Hull University, March 29, 2000, UK.
- Convocation Speaker at Tribhuban University, Nepal, November 23, 1999.
- The World Science Conference, Budapest, June 25- July 3, 1999
- The U.S. Universities: Harvard, Boston, Johns Hopkins, Brandeis, Yale, North Carolina at Chapel Hill for academic link up, seminar United Nations Population Fund sponsored, August 19 -- 24, 1999.
- 1st International Conference on Improving Use of Medicine, Chiang Mai, April 1-4, 1997.
- Japan at the invitation of Japanese Government. (Ministry of Foreign Affairs, Osaka University, JAICA-Head Quarter, Sumitomo Corporation-Head Quarter), March 1997.
- The 29th General Conference of UNESCO, Paris, Oct. 21-30 Nov 1997.
- International Conference on National Medicinal Drug Policies, Sydney, Oct. 4-10 1995.
- 10th International Conference on Pharmacoepidemiology, Stockholm, Aug, 28-31, 1994,
- International Workshop on Rational Use of Drugs, Kathmandu, March 2-13, 1992.
- 5th Intl. Symposium on Natural Products Chemistry, Karachi, January 5-9, 1992.
- INRUD International Workshop, Lagos, Oct. 11-12, 1992.
- International Conference on Social and Cultural Aspects of Pharmaceuticals, Amsterdam, October 20-24 1991.
- INRUD Meeting, Zeist, Netherlands, October 13-20 1991.
- Fourth International Symposium on Natural Products Chemistry, Karachi, 1990.
- Meeting of International Network for Rational Use of Drugs (INRUD), Yogyakarta.
- Indonesia, July 8-21, 1990.
- INRUD Meeting of Bangladesh, Sudan and Ghana in Accra, October, 1990.
- Asian Symposium on Medicinal Plants and Spices, Seoul, August, 1984.
- International Conference on Nucleotide, Manchester 1975.

7. COUNTRY VISITED:

USA, UK, Germany, France, Netherlands, Sweden, Belgium, Ghana, Nigeria, Ethiopia, Kenya, Pakistan, India, Nepal, Thailand, Singapore, Indonesia, South Korea, Australia, Japan

8. ACADEMIC POSITIONS:

- Invited Professor, Conservatoire National des Arts et Métiers, Paris, Feb to Sept. 2003
- Vice Chancellor, University of Dhaka ((DU), from Sept.1996-Nov.2001
- Dean, Faculty of Pharmacy, DU from 1995-1997
- Selection Grade Professor, Department of Pharmacy, DU, from 22-7-93 till to date
- Chairman, Department of Pharmacy, DU from 1983-1987
- Professor, Department of Pharmacy, DU from 2-10-85 till to date

9. RESEARCH PUBLICATIONS:

- Research publications in reputable national and international journals 91
- Book: How to Investigate Drug Use in Health Facilities, edited, by WHO/DAP/93.1,
- Book: The Father of the Nation, edited, Dhaka, 1993; Bangabandhu and Emergence of Bangladesh, Dhaka University, March 2000.
- One of the Editors of Bangladesh National Formulary (Modern Medicine).
- Ex-Member, Editorial Board of Dhaka University Studies, Part-E.
- Ex-Editor in Chief, Bangladesh Pharmaceutical Journal.

10. RESEARCH AREAS:

- Higher education, science & technology in developing country and global scenario.
- Pharmacogenomics, Genomics of chronic diseases (heart diseases, diabetes, cancer) in Bengali population.
- Drug Discovery, Drug Use, Health Care Delivery System, Health Policy And Drug Policy Related Issues Of Global & National Interest; Phytochemistry, Pharmacology of neuromedicines. Use and abuse of antibiotics and development of multidrug drug resistances.

11. CURRENT AREAS OF INTEREST:

- Prospects & problem of higher education in the developing world: Bangladesh context.
- Polymorphism of PPARG gene and its relationship with development of type 2 diabetes mellitus, heart diseases and cancer; 25bp deletion in MYBPC3 gene and heart failure (Sponsored by the INSPIRE programme funded by British Council and in joint collaboration with University of Dundee and University of Nottingham).
- Clinical trials of anti-diabetic drugs (Pioglitazone & Metformin), funded by the Ministry of Science and Information Technology, GOB.
- Inappropriate antibiotic use in district hospitals of Bangladesh and introduction of intervention to promote rational use of antibiotic funded by the INSPIRE programme, British Council.

12. LANGUAGES CONVERSANT: Bengali, English, German, Urdu, and French

13. LIST OF PUBLICATIONS (Books 3 & Articles,91):

1. A. K. Azad Chowdhury and M. M. Rahman, Oxaluria and Vitamin B6 inter relationship in human. The Proceedings of the Eighth International Congress of the Biochemists and the Nutritionists, Prague, 1969, Czechoslovakia.
2. A. K. Azad Chowdhury, Synthesis and Biological evaluation of actinomycin D analogues, Ph.D.Thesis, 1976, Department of Pharmacy, University of Manchester.
3. A. K. Azad Chowdhury, Jeffrey R. Brown and Robert B. Longmore, Synthesis and evaluation of bis-dipeptide and bis-tripeptide analogues of actinomycin-D, *Journal of Medicinal Chemistry*, 1978, **21**, 607-612.
4. B.W. Bycroft, A. Chowdhury and M. F. A Dove, Reactions of 1-hydroxyhalopropane with fluorinating agents, *Journal of Fluorine Chemistry*, (U.K.), 1978; **12**: 45-52.
5. A. K. Azad Chowdhury, J.R. Brown and R.B. Longmore, Solid phase synthesis of actinomycin D-analogue, *Bangladesh Pharmaceutical Journal*, 1978;**7 (1)**: 13-14.
6. A. K. Azad Chowdhury, Jeffrey R. Brown and Robert B. Longmore. Synthesis and evaluation of actinomycin D-analogues derived from antimycin type compounds. *European Journal of Medicinal Chemistry*, 1980; **15**: 29-13.
7. A. K. Azad Chowdhury, Jeffrey R. Brown and Robert B. Longmore, Derivatization of amino-acids for solid phase synthesis of the peptide moiety of actinomycin D, *Bangladesh Journal of Biological Sciences*, 1980: **9 (1)**, 63-68.
8. A.K. Azad Chowdhury, Preparation and production of traditional medicine for primary health care. The Proceeding of the Third National Workshop on Utilization of Traditional Medicine in Primary Health Care, December 18-23, 1980, WHO- BMRC, Mohakhali, Dhaka.

9. A.K. Azad Chowdhury, Sushanta Kumer Chakder and A. K. Azad Khan, Isolation and characterization of chemical constituents of *Plumbago zeylanica* root, *Journal of Bangladesh Academy of Sciences*, 1981; **5** (1): 71-74.
10. A.K. Azad Chowdhury, Gulshan Ara Latifa, Shawkat Ara and R. Ahmed. The potentiality of indigenous derris root in cleaning the predatory and weed fishes from nursery ponds, *Dhaka University Studies*, Part B, 1981; **XXIX** (2): 47-53.
11. A.K. Azad Chowdhury, Sushanta Kumer Chakder and A. K. Azad Khan, Antifertility activity from *Plumbago zeylanica*, *Indian J.Med. Res*, 1982; **76** (suppl):99-101.
12. A.K. Azad Chowdhury, Sushanta Kumer Chakder and Shafiqur Rahman, Chemical investigation on the indigenous contraceptive pill (Comilla Bori). The Proceedings of the Sixth Annual Contributors Conference of Bangladesh Fertility Research Programme, December 14, 1981, Dhaka, pp.152-156.
13. Gulshan Ara Latifa, Lutfun Nahar, A.K. Chowdhury and M. R. Khan, Fat, protein, Vitamin A, iron, calcium and magnesium contents of adult and juvenile *Puntius stigma*, *Journal of Bangladesh Academy of Sciences*, 1982; **6** (1&2): 199-203.
14. A.K. Azad Chowdhury, Gulshan Ara Latifa and R. Ahmed, Studies on the piscicidal property and rotenone content of indigenous *Derris scandens*, *Bangladesh Journal of Scientific Research* **3 & 4**, 1982-83.
15. A.K. Azad Chowdhury, Sushanta Kumer Chakder, A. Khaleque and Shafiqur Rahman, Antifertility activity of traditional contraceptive pills (Comilla bori). The Proceedings of Seventh Annual Contributors Conference of Bangladesh Fertility Research Programme, December 8&9, 1982, Dhaka.
16. M. Ameen, R.M. Shahjahan and A. K. Azad Chowdhury, Toxicity of rotenone, extracted from *Derris elliptical* Benth (Leguminosae: Papillionaceae) on the larvae of *Aedes aegypti* (Linn) (Diptera: Culicidae). *The Journal of Bangladesh Academy of Sciences*, 1983; **7** (1 & 2): 39-47,
17. M. Ameen, A.K. Azad Chowdhury, H. Reza Khan and R. M. Shahjahan. Insecticidal property of *Derris elliptica* (Wall) Benth (Leguminosae, Papillionaceae) roots against the larvae of *Culex fatigans* wood (Diptera: Culicidae), *Dhaka University Studies B*, 1983; XXXI (1): 1-11.
18. A.K. Azad Chowdhury, M Shohail, Sushanta Kumer Chakder and Shafiqur Rahman, Study of the effect of depot medroxy progesterone acetate on serum vitamin A, beta Carotene and blood Iron levels in Bangladeshi users. The Proceedings of the Seventh Annual Contributors Conference of Bangladesh. Fertility Research Programme, December 8&9, 1982.
19. A.K. Azad Chowdhury, Rashed A. Khaleque and Sushanta Kumer Chakder, Oxytotic Principle(s) from *Marsdenia tinctoria*, *The Dhaka University Studies*, 1984, Part B XXXII (1): 85-88.

20. A.K. Azad Chowdhury, R.A. Khaleque and S.K. Chakder, Antifertility activity of a traditional contraceptive pill comprising *Acacia catechu*, *A. arabia* and *Tragia involucrata*, *Indian J. Med. Res*, 1984; 80: 372-374 .
21. Gulshan Ara Latifa, Mahfuza Qadir Chowdhury, M.R. Khan and Sushanta Kumer Chakder and A. K. Azad Chowdhury, Fat, Protein, Vitamin A, Iron, Calcium and Magnesium contents of adult and juvenile *Tilapia nilotica*, *Linnaeus Bangladesh J. physiol and Pharmacol*, 1985;1(1): 17-19,.
22. Moniruddin Ahmed, S.M. Altaf Hossain, K.M.H.S. Sirajul Haque, Abdur Rashid, A.K. Azad Chowdhury, Clinical trial of *Moringa olifera* for treatment of hypertension, *Chest and Heart Bulletin*, 1986; X (1): 1-14.
23. Moniruddin Ahmed, S.A.R.Chowdhury, Md. Abdur Rashid and A.K. Azad Chowdhury, *Moringa olifera*: A pharmacological study, *Bangladesh Journal of Physiology and Pharmacology*, 1986; 2 (1): 24- 27.
24. M. Ameen, R.M. Shahjahan, H.R. Khan and A.K. Azad Chowdhury, Larvicidal effects of indigenous *Derris elliptica* root on *Aedes aegypti* (Diptera, Cullcidae), *International Quarterly of Entomology*, 1985; 1: 39-43.
25. A. K. Azad Chowdhury, The antifertility activity of the water soluble alkaloids and a peptide of *Marsdenia tinctoria*. The Proceedings of Workshop of Herbal Medicine, sponsored by BMRC and WHO, pp. 41-48, 11 to 25th Sept.1986
26. Gulshan Ara Latifa, M. Shafiq, S.I. Pervin and A.K. Azad Chowdhury, Studies on the piscicidal property of the fresh roots of *Tephrosia purpurea* on fishes, *Hetropneustes fossilis* and *Channa punctatus*, *Dhaka University Studies*, Part E, 1987; 2(1): 13-21.
27. A. K. Azad Chowdhury, Ishrat Jahan Jafurullah, S. A. Talukder and A. K. Azad Khan, Biological activity of the alcohol extract and the glycosides of *Hydrocotyle asiatica* Linn, *Journal of Bangladesh Academy of Sciences*, 1987; 11 (1): 75-82.
28. A. K. Azad Chowdhury and R. H. Mannan, Antidiabetic principles from *Xanthium strumarium*, *Dhaka University Studies*, B, 1987; 35 (1): 7-14.
29. A. K. Azad Chowdhury, Faisal Hashem, M. M. Bari and Shafiqur Rahman. Antifertility activity of the ether extract and steroidal component (HF) of the extract of the flowers of *Hibiscus rosa sinensis*. *Bangladesh Medical Research Council Bulletin*, 1988.
30. A. K. Azad Chowdhury and B. W. Bycroft, Chiral synthesis of bis-homoquisqualic acid. *J. Chem. Soc. (U.K.)* 1990.
31. A. K. Azad Chowdhury. B. W. Bycroft and M. F. A. Dove, Synthesis of fluorovaline. *Journal of Chemical Society*, (U.K.) 1990.
32. A. K. Azad Chowdhury, M. U. Ahmed, Barun Chandra Sen. A new steroidal alkaloid with antifertility activity from *Marsdenia tinctoria*, *Ind. J. Med. Res.* 1989.

33. A. K. Azad Chowdhury, S. A. Rahman Choudhury, Nargis Begum and Sushanta Kumer Chakder. Effect of injectable progestogen contraceptive (Norethisterone enanathate) on vitamin A and B6 levels in rats, *Contraception*, 1990.
34. A. K. Azad Chowdhury, Monira Ahsan, Nazrul Islam and Zia Uddin Ahmed, In vivo antibacterial activity of garlic extract and allicin against multiply drug resistant strains of *Shigella dysenteriae* type 1 and *Shigella flexneri*, *Dhaka University Studies*, Part E, 1989; **4** (1): 27-32.
35. A. K. Azad Chowdhury, Maniruddin Ahmed and Barun Chandra Sen, Tinctoramine a steroidal alkaloid from *Marsdenia tinctoria*, *Phytochemistry*, 1990.
36. M. Abdur Rashid, Moniruddin Ahmed, Altaf Hossain, S. A. Talukder and A. K. Azad Chowdhury, Toxicological study of the leaves of *Moringa olifera* and glycoside isolated from it on Long Evan's rats, *Chest and Heart Bulletin*, 1987, **XI** (1): 31- 46.
37. A. K. Azad Chowdhury, Monira Ahsan, Sk. Nazrul Islam and Zia Uddin Ahmed, Efficacy of aqueous extract of garlic and its active constituent allicin in experimental shigellosis in rabbits, *Indian, J. Med. Res.*, 1991; [A] **93**: 33-36.
38. B.C Roy, Apala Farhat Naved, A. K. Azad Chowdhury and Harun K. M. Yusuf, pH control the speed and extent of a, β -Diamino propionic acid phthaldialdehyde reaction in determination of *Lathyrus toxin* ODAP, Dhaka University part E, 1989; **4** (2): 149-151.
39. B.C. Roy, Apala Farhat Naved, A.K. Azad Chowdhury and Harun K. M. Yusuf, BOAA content of *Lathyrus sativus* varieties grown in Bangladesh, *Bangladesh J. Sci. Res*, 1990; **8** (1): 49-57.
40. A.K. Azad Chowdhury, Satyajit Dey Sarker, Eva Sutana Khan, and Sk. Nazrul Islam, Antimicrobial Activity of the aqueous extract and flavonoids isolated from flowers and flower buds of *Saraca indica*, *Bangladesh pharmaceutical Journal*, 1990; **9**(1): 4-8.
41. A.K. Azad Chowdhury, A.M. Das and S.A.R Choudhury, Regulatory approach to rational drug use in Bangladesh. The proceedings of the International Network for Rational Use of Drug Conference, Yogyakarta, Indonesia July 8-20, 1990.
42. Bilkis Begum, A Mannan and A. K. Azad Chowdhury, Antidiabetic principle from *Achyranthes aspera*, *Bangladesh Pharmaceutical Journal*, 1991; **10** (1): 21-23.
43. A.K. Azad Chowdhury, Abdullah Farooq and Satyajit Dey Sariker, Antibacterial activity of *Acorus calamus*, *Bangladesh Pharmaceutical Journal*, 1991; **10** (1), 5-7.
44. A.K. Azad Chowdhury, Pharmaceutical Research in Bangladesh, Presented in the Third National Pharmaceutical Conference of Bangladesh, March 15-17, 1979, Dhaka.
45. A.K. Azad Chowdhury and Sushanta Kumer Chakder, Side effects of injectable progestogen contraceptive (depot medroxy progesterone acetate). The proceeding of the Fourth Annual Contributors Conference on Bangladesh Fertility Research Programme, 13 December 1980, BFRP, Mohammadpur, Dhaka.

46. A. .K. Azad Chowdhury, Research for accelerating development, Presented in the Seminar on Higher Education and National Development, 2-4, March, 1982, Bangladesh Federation of University Teachers Association, Dhaka.
47. A.K. Azad Chowdhury, Role of Vitamin A in immune response and prevention of infections diseases. The Proceeding of the National Planning Meetings for Vitamin A Programme, National Nutrition Council and FAO, March 28 to April 1, 1987, Dhaka, pp. 31-37.
48. A.K. Azad Chowdhury, Scientific basis of herbal medicine. The Proceedings of Workshop on Herbal Medicine, sponsored by WHO and BMRC, Mohakhali, Dhaka, September 11-25, 1986, pp. 18-22.
49. A.K. Azad Chowdhury, Microbiological quality control in pharmaceutical Industries, presented in the National Conference of Bangladesh Society of Microbiologists, March 22-25, 1987, Dhaka.
50. A.K. Azad Chowdhury, The prospects and problems of pharmaceutical industry in Bangladesh. The proceeding of the Seminar on Maximum Utilization of Internal Resources, May 17-19, 1989, Chittagong Chamber of Commerce and Industries, Bangladesh, pp. 33-37.
51. A.K. Azad Chowdhury, M. Mokaddes Sarder, Satyajit Dey Sarker, Harun K.M. Yusuf, Studies on the protease inhibitor and flatulence factors of the pulses and the beans of Bangladesh, presented in BARC- Workshop 1980, Submitted for publication in BARC Journal, 1990.
52. A.K. Azad Chowdhury and Rezaul Hassan Mannan, Study on the histo-pathological effects of the antidiabetic principles isolated from *Xanthium strumarium*, on liver and kidney of AID rats, *Dhaka University Studies*, Part E, 1990.
53. S. D. Sarker, Mohammad Moniruzzaman, S. I. Khan and A.K. Azad Chowdhury, Antibacterial activity of *Piper chaba* (Hunter), *Bangladesh Journal of Botany*, 1991; **20**(2): 679-181.
54. A. K. Azad Chowdhury, Prescribing survey of five most common diseases in the selected government health facilities and private dispensaries in three districts of Bangladesh, *INRUD NEWS*, 1991; **2** (2): 4.
55. A. K. Azad Chowdhury, S. A. R. Chowdhury, A.M. Das, Regulatory approaches to rational use of drug in Bangladesh, *INRUD NEWS*, 1990; **1** (2): 6.
56. A. K. Azad Chowdhury, Prescribing patterns in acute diarrhoea in 3 districts in Bangladesh. *Tropical Doctors*, 1993; **23**: 165-166.
57. A. K. Azad Chowdhury, Tasmin Ara, Faisal Hashim, M. Ahmed, A new phenyl propane derivative from *Acorus calamus*, *Die Pharmazie*, 1993; **48** (4.10): 786-787.
58. **How to Investigate Drug Use in Health Facilities**, eds Bimo, **A. Chowdhury**, A. Das, V. Diwan, K.K. Kafle, B. Mabadeje, A. Massele, R.O. Laing, D. Ofori Adjei, D. Ross Degnan, B.

- Santoso, G. Tomson, M. Anker, P. Brudon-Jakonbowicz, D. A. Fresle, H. V. Hogerzeil, WHO-1993/DAP/93.1.
59. A. K. Azad Chowdhury, Barun Chandra Sen, Muhammad Faisal Hashim and Moniruddin Ahmed, Tintoramine, A new steroidal alkaloid from *Marsdenia tinctoria*, *Die Pharmazie*, 1993; **48** (H.8): 628-629.
 60. H.V. Hogerzeil, Bimo, D. Ross-Degnan, R. O. Laing, D. Ofori-Adjei, B. Santaso, A. K. Azad Chowdhury, A.M. Das, K. Kafe, A. F. B. Mafadeje, A.Y. Masee, Field test for rational drug use in twelve developing countries, *Lancet*, 1993; **342**: 1408-10.
 61. S. Islam, D. Mahalanabis, A.K.A. Chowdhury, M.A. Wahed and A.S.M.H. Rahman. Glutamine is superior to glucose in stimulating water and electrolyte absorption across rabbit ileum. Second Annual Scientific Conference (Ascon-II), International Centre for Diarrhea Disease Research, Bangladesh, January 16-18, 1993.
 62. A. K. Azad Chowdhury, M. Faisal Hashim, Barun C. Sen, Omar Faruk Khan and Muniruddin Ahmed, Antifertility principles from *Marsdenia tinctoria*: Pharmacological and phytochemical studies, *Pure & Appl Chem.*, 1994;**66** (10/11): 2343-2346.
 63. A. K. Azad Chowdhury, M. Omar Faruk Khan, M. Faisal Hashim, New steroidal compounds from *Marsdenia tinctoria*, *J Bangladesh Acad Sci*, 1994; **18** (1): 39-45.
 64. A. K. Azad Chowdhury, O.F. Khan, M.A. Matin, A. Haque, A.L. Buiya. Effect of standard treatment guidelines with or without audit on prescribing for acute respiratory infections in government health facilities in Bangladesh. *INRUD News Letter*, 1995.
 65. Sufia Islam, Dilip Malanabis, Abul Kalam Azad Chowdhury, Shafiqul Alam Sarker, Abdul Wahed Abu Syed Mohammed Hamidur Rahman. Intestinal transport of water, sodium & glucose from an electrolyte solution with &without bicarbonate. *Indian J. Med Res*, 1996; **104**: 254-256.
 66. A. K. Azad Chowdhury, M. A. Mannan, M O F Khan and F Rahman, Brine Shrimp lethality study with *Pergularia daemia*, *Bang. J. Physiol Pharmacol*, 1997; **13** (1): 2-3.
 67. A. K. Azad Chowdhury, O.F. Khan, M.A. Matin, K. Begum, M.A. Gulib, Effect of standard treatment guidelines with or without adult on prescribing for acute respiratory Infections in government health facilities in Bangladesh., Presented at the **International Conference on Improving Use of Medicines: State of the Art and Future Directions**, Chiang Mai, Thailand, April 1-4, 1997.
 68. A. K. Azad Chowdhury, M. S. Ali, M O F Khan and F Rahman, Bioactivity screening of extracts and isolated compounds of *Ipomoea fistulosa*, *Bang. J. Sci. Res.*, 1998; **16**(1): 101-103.

69. A. K. Azad Chowdhury, S. M. A. Rahman, M.O.F. Khan and F Rahman (1997): Hepatoprotective activity of picroliv and its two components *picroside* III and *kutkoside*: Two iridoid glycosides from *Picrorhiza kurrooa*, *Fitoterapia* (submitted).
70. A. K. Azad Chowdhury, M. S. Ali and M.O.F. Khan, Antimicrobial activity of *Ipomoea fistulosa* extracts, *Fitoterapia*, 1997; LXVIII (4): 379-380.
71. A.K. A. Chowdhury, B. K. Das, M.S Ali , 1997, In vitro Antibacterial Activity of *Phyllanthus reticulatus*, *Bangladesh J. Physiol. Pharmacol.*, 13 (2), 55-57
72. A.K. Azad Chowdhury, Therapeutic Potential of the Volatile Oil of *Nigella sativa* Seeds in Monkey Model with Experimental Shigellosis, *Phytotherapy Research*, 1998; **12**: 361-363.
73. B.K. Das, M.S Ali, A.K Chowdhury, Cytotoxic activity of *Phyllanthus reticulatus*, *Dhaka Univ. J. Biol. Sci.*, 8(1), 85-88., 1999, Gulshan Ara Latifa, A. K. Azad Chowdhury, Geeta Sharma and Shahana Aktar. Piscicidal activity of root bark of *Barringtonia acutangula* (Gaertn) on *Heteropneustes fossilis* (Bloach) and *Channa punctatus* (Bloch), *Ecoprint*, **6**(1): 27-33. 1999;
74. Gulshan Ara Latifa, Ishrat Parveen, A. K. Azad Chowdhury. Piscicidal property of Rotenone and Rotenoids of dry roots *Tephrosia purpurea* (Pers) on *Heteropneustes fossilis* (Bloch) and *Channa punctatus* (Bloch), *Bangladesh Journal of Zoology*, Accepted for Publication 2000.
75. A. K. Azad Chowdhury, Research and Development of Natural Products for Human Survival in the 21st Century. Plenary Lecture, ASOMPS X 2000, tenth Asian Symposium on medicinal plants spices and other natural products. Nov18-23, 2000, Dhaka, Bangladesh.
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