

CURRICULUM VITAE

March 01, 2016

AbulKalam M. Shamsuddin, M.D., Ph.D.

Professor of Pathology

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Year of Birth: 1948
Place of Birth: Comilla, Bangladesh.
Citizenship: United States of America

EDUCATION:

1965	H.Sc.	Notre Dame College, Dhaka, Bangladesh
1972	M.B., B.S. (M.D)	University of Dhaka, Dhaka, Bangladesh
1980	Ph.D.	University of Maryland, Baltimore, MD Major area: Carcinogenesis.
Internship (Rotating)		
1972-1973		Lawrence General Hospital, Lawrence, Massachusetts
Residency (Anatomic Pathology)		
1973-1975		Baltimore City Hospitals, Baltimore, MD; Post-Doctoral Fellow, Department of Pathology, Johns Hopkins University School of Medicine, Baltimore, Maryland
1975-1977		University of Maryland Hospitals, Baltimore, Maryland

BOARD CERTIFICATION:

1977 Diplomate, American Board of Pathology (Anatomic Pathology)

LICENSES:

Maryland
District of Columbia [not renewed]

MAJOR RESEARCH INTERESTS:

Carcinogenesis, Markers of precancer and cancer, Cancer Chemoprevention, Regulation of cell growth and differentiation, Inositol phosphates.

FACULTY POSITIONS:

1977-1979	Instructor, Department of Pathology, University of Maryland School of Medicine, Baltimore, Maryland; (Member, Medical Staff, University of Maryland Hospital, Baltimore, Maryland 1977-present).
1980-1983	Assistant Professor, Department of Pathology, The University of Maryland School of Medicine, Baltimore, Maryland
1981-1982	Senior Scientist, Laboratory of Experimental Pathology, (Umberto Saffiotti, M.D., Chief), National Cancer Institute, National Institute of Health, Bethesda, Maryland
1982	Senior Scientist, Laboratory of Human Carcinogenesis, (Curtis C. Harris, M.D., Chief), National Cancer Institute, National Institutes of Health, Bethesda, Maryland
1983-1988	Associate Professor [with Tenure], Department of Pathology, The University of Maryland School of Medicine, Baltimore, Maryland
1988-present	Professor, Department of Pathology, The University of Maryland School of Medicine, Baltimore, Maryland
2015-present	Visiting Professor, Department of Natural Sciences, Coppin State University, Baltimore, Maryland

MAJOR ACADEMIC TASKS:

1977-1995	System Chairman, Sophomore Endocrine and Female Reproductive Pathology (approximately 100 contact hours/year).
1980-present	Member, Graduate Faculty, University of Maryland Graduate School.
1982-1988	Director, Diagnostic Electron Microscopy Service.
1983-1988	Director, Residency Training Program.
1985-2005	Member, University of Maryland Cancer Center.
1996-2000	Group Leader, Gastrointestinal Unit, Pathophysiology & Therapeutics Course for sophomores, School of Medicine.

PROFESSIONAL MEMBERSHIPS:


1973-2008	Maryland Society of Pathologists
1975-2008	US-Canadian Academy of Pathology
1977-1986	Fellow, College of American Pathologists
1977-1990	Chesapeake Society for Electron Microscopy
1977-1990	Electron Microscopy Society of America
1979-present	American Association for the Advancement of Science
1983-2010	American Association for Cancer Research
1981-2008	American Society for Investigative Pathology
1981-2008	Federation of American Society of Experimental Biologists
1982-2005	American Society for Cell Biology
1985-1992; 2006-present	European Association for Cancer Research,
2004-2007	Society for Integrative Oncology

HONORS & AWARDS:

1967	S.K. Das Gupta Scholarship in Physiology and Biochemistry, University of Dhaka.
1967	Honors in Physiology and Biochemistry, University of Dhaka.
1969	Honors in Hygiene, Social and Preventive Medicine, University of Dhaka.
1977	Student Council Faculty Award (Best Teacher): University of Maryland School of Medicine - Class of 1979.
1979	Student Council Faculty Award (Best Teacher): University of Maryland School of Medicine - Class of 1981.
1982	International Union Against Cancer (Geneva) - ICRETT Award, Visiting Scientist, Cancer Institute (JFCR), Tokyo, Japan.
1984	Foundation for Promotion of Cancer Research (Tokyo) Fellowship; Guest Scientist, National Cancer Center Research Institute, Tokyo,
1989	Research Fellow, The University of Tokyo, Institute of Medical Sciences, Tokyo, Japan.
1990	United Nations Development Project (UNDP), Consultant for "TOKTEN" Project for Bangladesh, (Travel Award Declined).

- 1991 Student Council Faculty Award (Best Teacher): University of Maryland School of Medicine - Class of 1993.
- 1992 Who's Who of American Inventors.
- 1994 Student Council Faculty Award (Best Teacher): University of Maryland School of Medicine - Class of 1996.
- 1995 Student Council Faculty Award (Best Teacher): University of Maryland School of Medicine - Class of 1997.
- 1996 Visiting Professor, University of Tokyo; Government of Japan Ministry of Education (*Monbusho*) Distinguished Foreign Scholar Program. August - September 1996.
- 1996 Tokyo Society of Medical Sciences and Faculty of Medicine University of Tokyo Lectureship, August 27, 1996.
- 1997 Student Council Faculty Award (Teacher of The Year): University of Maryland School of Medicine - Class of 1999.
- 1998 Inductee - 1st Annual Teaching Wall of Fame (Best Teacher): University of Maryland School of Medicine - Class of 2000.
- 1998 Visiting Professor, The First Military Medical University, Guangzhou, P. R. China, November 1998 - November 2001.
- 1999 Student Marshall [elected by the Class of 1999], Pre-Commencement Convocation, University of Maryland School of Medicine.
- 1999 American Medical Student Association "Golden Apple Award" Class of 1999, University of Maryland School of Medicine.

PATENTS AND TRADEMARKS:

- 1989 Screening Test for Large Intestinal Cancer, U.S. Patent #4, 857, 457.
- 1992 Reduction of Cell Proliferation and Enhancement of NK-Cell Activity, U.S. Patent #5, 082, 833 and corresponding foreign patents.
- 1992 Rectal Mucus Test and Kit for Detecting Cancerous and Precancerous conditions, U.S. Patent #5,162,202 and corresponding foreign patents.
- 1994 Screening Test and Kit for Cancerous and Precancerous conditions, U.S. Patent #5, 348, 860 and corresponding foreign patents
- 2003  ® IP₆ Logo and design, US Patent and Trademark Registration No 2,770,212 and Corresponding Foreign Registrations.

- 2005 Prevention of Tooth Decay and Other Bone Degeneration. US Patent Application No. 60/778,108; Singapore Patent #145468 (29 April 2011)
- 2006 Prevention of Nuclear, Solar and Other Radiation-Induced Tissue Damage. US Patent Application No. 11/453,843, June 16, 2006.
- 2009, 2011 Novel Phytic Citrate Compounds and Process for Preparing the Same. US Patent # 7,517,868 April 14, 2009; US Patent # 7,989,435 August 02, 2011

EDITORIAL TASKS:

- 1981 - 2005 Reviewer, Archives of Pathology and Laboratory Medicine
- 1982 - 2005 Reviewer, American Journal of Pathology
- 1992 - 2006 Reviewer, Cancer
- 1991 - 1995 Reviewer, Cancer Epidemiology, Biomarkers and Prevention
- 1983 - 2010 Reviewer, Cancer Research
- 1983 - 2010 Reviewer, Carcinogenesis
- 1992 Reviewer, Chemico-Biological Interactions
- 1993 Reviewer, Critical Reviews in Food Science and Nutrition
- 1996 Reviewer, Digestive Diseases and Science
- 1991 Reviewer, Drug Development Research
- 1993 Reviewer, Ethnicity and Disease
- 1981 - 2008 Reviewer, Gastroenterology
- 1983 - 2008 Reviewer, International Journal of Cancer
- 1987- 1988 Reviewer, Journal of Investigative Dermatology
- 1982 - 1993 Reviewer, Journal of the National Cancer Institute
- 1991 - 2001 Reviewer, Laboratory Investigation
- 1992 Reviewer, Nutrition & Cancer
- 1998 Reviewer, Proceedings of the Soc. of Experimental Biology & Medicine
- 1998 - 1999 Special Issue Editor, Anticancer Research Vol. 19 #5A, 1999
- 1999 - 2004 Member, Editorial Board, Anticancer Research
- 1999 - 2005 Reviewer, Cancer Letters
- 2000 - Present Associate Editor, Nutrition and Cancer
- 2001 - 2003 Reviewer, Leukemia
- 2001 - 2004 Reviewer, Cell Biology International
- 2002 - Present Reviewer, Complementary Therapies in Medicine
- 2002 - Present Reviewer, Food and Chemical Toxicology
- 2004 Reviewer, British Journal of Dermatology
- 2004 Reviewer, Cellular and Molecular Life Sciences
- 2004 Reviewer, Mechanisms of Ageing and Development
- 2004 - Present Member, Editorial Board, Current Cancer Therapy Reviews
- 2004 - 2006 Reviewer, Digestive Diseases Science
- 2005 Reviewer, FEBS Letters
- 2005 Reviewer, Veterinary Pathology
- 2007 - Present Member, Editorial Board, Open Cancer Journal
- 2008 Reviewer, Journal of Medicinal Food
- 2008 Reviewer, Nutrition Research

MAJOR CONSULTANT & MEMBERSHIP ACTIVITIES:

NATIONAL & INTERNATIONAL:

- | | |
|-----------|---|
| 1977-1978 | Reviewing Pathologist, F.D.A. Aspartame Study, Universities Associated for Research and Education in Pathology (UAREP), Bethesda, Maryland |
| 1979-1980 | Reviewing Pathologist, F.D.A. Nitrite Re-evaluation Study, Universities Associated for Research and Education in Pathology (UAREP), Bethesda, Maryland |
| 1983 | Member, Special Study Section (Site Visit of Oak Ridge Associated Universities, TN), NCI, NIH, Bethesda, Maryland, April 20-22, 1983. |
| 1985 | Consultant, Scientific Review Group, NCI, NIH, Bethesda, Maryland. |
| 1985-1987 | Chairman, Research Committee, Bangladesh Medical Association of North America. |
| 1985-1987 | Member, Advising Committee for Residency, Bangladesh Medical Association of North America. |
| 1986 | Consultant, Scientific Review Group, NCI, Bethesda, MD. [Site visitor, Arizona Cancer Center, Tucson, AZ]. |
| 1986 | <i>Ad Hoc</i> Committee, Cancer Control Grant Review, NCI, NIH, Bethesda, MD. |
| 1986 | VA Career Development Awards, VA Medical Center, Portland, OR. |
| 1986 | VA Career Development Awards, Eastern Regional Research Group, VA Medical Center, Perry Point, MD. |
| 1986 | Manitoba Health Research Council, Manitoba, Canada. |
| 1987 | <i>Ad Hoc</i> Technical Review Group, "Evaluation of Chemopreventive Agents by <i>in vitro</i> Techniques." NIH, Bethesda, MD. |
| 1987 | Cancer Control Grant, <i>Ad Hoc</i> Review Committee, NCI, NIH, Bethesda, MD |
| 1988 | Consultant Member, Special Review Committee, "Development, Validation, and Application of Biochemical Markers of Human Exposure or Susceptibility for Use in Epidemiologic Studies," NCI, NIH, Bethesda, MD, March 16-17, 1988. |
| 1988 | Consultant Member, Special Review Committee, "Prevention Clinical Trials Utilizing Intermediate Endpoints and their Modulation by Chemopreventive Agents," NCI, NIH, Bethesda, MD, March 28-30, 1988. |
| 1988 | Consultant Member, Special Review Committee, "Mechanism of Tobacco and Alcohol Related Carcinogenesis of the Oral Cavity," NCI, NIH, Bethesda, MD, August 1988. |

Major consultant & membership activities - Continued:

- 1990 Member, Cancer Control Grant *Ad Hoc* Review Committee: Prevention Clinical Trials Utilizing Intermediate Endpoints and their Modulation by Chemopreventive Agents. NCI, NIH, Bethesda, MD, June 25-26, 1990.
- 1990 Member, Special Review Section 3 (B5) SBIR Program, NCI, NIH, Bethesda, MD, July 26, 1990.
- 1991 Member, Special Review Committee: Prevention Clinical Trials Utilizing Intermediate Endpoints and their Modulation by Chemopreventive Agents. NCI, NIH, Bethesda, MD, July 29-31, 1991.
- 1992 VA Merit Review Awards, VA Central Office, February and September 1992.
- 1992 Member, Special Review Committee: UCLA Cancer Control Science Program, NCI, NIH, Bethesda, MD, August 2-3, 1992.
- 1993 Member, Special Study Section: ZRG7SSS-Z (7). NCI, NIH, Bethesda, MD, June 30 - July 1, 1993.
- 1994 Member, Cell & Tissue Biology Study Section: USAMRDC, Breast Cancer Program Peer Review, Washington, D.C., February 13-15, 1994.
- 1994-present *Ad hoc* Member, Merit Review Committee for Oncology Study Section, Department of Veterans Affairs, Washington, D.C.
- 1995 Member, Site Visit Team: NCI Cancer Center Support Grant, Vanderbilt Cancer Center; Nashville, TN, January 24-26, 1995.
- 1995 *Ad hoc* member, General Medicine A-2 Study Section, National Institutes of Health, Bethesda, MD; February 6-8, 1995.
- 1995 Member, Evaluation Panel, National Action Plan on Breast Cancer Administrative Supplements, Washington, D.C., July 19-20, 1995.
- 1995 Member, *Ad Hoc* Contracts Technical Review Group, Phase II Clinical Trials for New Chemopreventive Agents; NCI, NIH, Bethesda, MD; September 26-27, 1995.
- 1995 Member, Epidemiology - 2 Study Section: USAMRDC, Breast Cancer Program Peer Review, Hunt Valley, MD, November 5-7, 1995.
- 1995 Member, Cell Biology - 4 Study Section: USAMRDC, Breast Cancer Program Peer Review, Hunt Valley, MD, November 13-15, 1995.
- 1996 Member, Pathobiology - 3 Study Section: USAMRDC, Breast Cancer Program Peer Review, Alexandria, VA, September 18-20, 1996.
- 1996 -2000 Consultant to the Immunology Devices Panel of the Medical Devices Advisory Committee, Center for Devices and Radiological Health, Food and Drug Administration. October 13, 1996 through October 12, 2000.

Major consultant & membership activities - Continued:

- 1997 Member, Epidemiology - 2 Study Section: USAMRDC, Breast Cancer Program Peer Review, Vienna, VA, September 8-10, 1997.
- 1997 Member, Pathobiology - 2 Study Section: USAMRDC, Breast Cancer Program Peer Review, Vienna, VA, September 15-17, 1997.
- 1998 Member, Special Emphasis Panel for Review of Middle East Cancer Consortium Small Grants Program, National Cancer Institute, NIH, Bethesda, MD. February 1998.
- 1998 Member, Epidemiology - 1 and Epidemiology A1 Study Section: USAMRDC, Breast Cancer Program Peer Review, Norfolk, VA, September 18-20, 1998.
- 2000-2004 Member, International Scientific Advisory Board, International Institute of Anticancer Research, Kapandriti, Attiki, Greece.
- 2000-2004 Member, Immunology Devices Panel of the Medical Devices Advisory Committee, Food and Drug Administration, June 2000 - February 2004.
- 2001 Member, SPORE Review Panel, National Cancer Institute, NIH, Bethesda, MD; Oct 09-11, 2001
- 2001 Member, Review Panel "Cancer Prognosis and Prediction: SBIR/STTR Initiative" National Cancer Institute, NIH, Bethesda, MD; Oct 29, 2001
- 2003 Member, Special Emphasis Panel "Cancer Prognosis and Prediction - PAR CA 03-098 and-099", National Cancer Institute, NIH, Bethesda, MD; Oct 23-24, 2003.
- 2004 *Ad Hoc* Member, Site Visit Team: NCI Cancer Center Support Grant, NCI-A RTRB-N (C1) Vanderbilt-Ingram Cancer Center; Nashville, TN, January 14-16, 2004.
- 2004 Member, Special Emphasis Panel/Initial Review Group 2004/10 ZCA1 SRRB-K (O1) (R), National Cancer Institute, NIH, Bethesda, MD. June 17-18, 2004 [participation withdrawn on grounds of conflict of scientific principle].
- 2004-2014 Chairman, Board of Directors, Kamolpur Janakallyan Trust, Dhaka, Bangladesh
- 2004-2008 Consultant, Immunology Devices Panel of the Medical Devices Advisory Committee, Food and Drug Administration, February 29, 2004 - February 28, 2008.
- 2005 *Ad Hoc* Member, Subcommittee E – Cancer Epidemiology, Prevention and control, National Cancer Institute Initial Review Group NCI-E GRB-F (X3), Baltimore, Maryland, May 23-24, 2005

Major consultant & membership activities - Continued:

2005	<i>Ad Hoc</i> Member, Subcommittee E – Cancer Epidemiology, Prevention and control, National Cancer Institute Initial Review Group NCI-E, Bethesda, Maryland, August 10-12, 2005.
2006	Member, National Cancer Institute Special Emphasis Panel ZCA1 GRB-I (J), Bethesda, Maryland, September 11 – September 13, 2006
2006	Member, Prevention, Control and Population Sciences Special Emphasis Panel ZCA1 RPRB-5 (J1), National Cancer Institute, Bethesda, Maryland, September 27 – September 29, 2006
2006-2014	Chairman, Board of Directors, IP-6 Foundation, Baltimore, Maryland.
2006-2007	Member, Board of Directors, StatsMED Institute, Baltimore, Maryland.
2006-present	Member, Board of Directors, US-China AIDS Alliance Foundation, Washington, D.C.

LOCAL ACTIVITIES:

1978-1990	Consultant, Veterans Administration Hospital, Fort Howard, Maryland
1984-1987	Program Chairman, Maryland Society of Pathologists
2001-2005	Governing Member, Baltimore Symphony Orchestra

CAMPUS ACTIVITIES:

Departmental Committee:

1982-1988	Member, Pathology Residency Committee
1983-1986	Member, Committee on Colloquia in Human Diseases
1984	Member, Pathology Search Committee for University of Maryland Cancer Center
1985	Chairman, Pathology Search Committee for Baltimore Veterans Administration Hospital.

Hospital Committee:

1984-1985	Member, Graduate Medical Education Committee of the Medical Staff
1988	Member, Residency Advisory Committee

Medical School Committee:

1979-1991	Member, Medical School Council
1983-1988	Chairman, Year "2" Curriculum Peer Review Subcommittee
1983-1986	Member, Task Force on Graduate Medical Education
1987-Present	Interviewer for Medical School Admissions Committee
1990-1993	Member, Appointment, Promotion and Tenure Review Committee
1992-Present	Member <i>Ad hoc</i> , Appeals Committee for Reinstatement of Medical Students
2005-2009	Member Alternate, Medical School Council

TEACHING ACTIVITIES:

University of Maryland:

1975-2005	Sophomore Pathology Course (Up to 100 contact hours/year, 160 medical students)
1977-1995	System Chairman, Sophomore Endocrine and Female Reproductive Pathology
1977-present	Faculty, Residency Training Program in Pathology, Attending 1-2 weeks/month.
1977-1990	Lecturer, School of Medical Technology, UMAB (Approximately 50 undergraduate students).
1980-present	Member, Graduate Faculty, University of Maryland Graduate School.
1980-1989	Member, Multidisciplinary Committee to Develop a Course on Cancer Prevention for Medical Students, Graduate Students, and Physicians, National Cancer Institute, National Institutes of Health, Bethesda, Maryland.
1978-1980	PATH 607 - Introduction to Pathology, Course Director & Lecturer (15-20 Graduate students).
1995-1996	Facilitator, Problem Based Learning (Freshman Class), 2 hours/ week x Fall and Spring semesters.
1996-1998	Group Leader, Gastrointestinal Unit, Pathophysiology & Therapeutics Course for Sophomores, School of Medicine.
1996-2001	Lecturer, PATH 760 - Biology of Cancer (15-20 Graduate students).

Dissertation Advisor:

Major

- 1982 John T. James, Ph.D.: The DNA adducts and neoplastic changes produced in the large intestine of ICR/Ha and C57Bl/Ha mice by 1, 2-dimethylhydrazine. Doctor of Philosophy, University of Maryland.
- 1983 Marian L. Hogan, M.S.: Promotional effect of dietary fatty acid isomers on colon tumorigenesis in conjunction with low-dose azoxymethane in the rat model. Master of Science, University of Maryland.
- 1985 Michelle Naar, M.S.: NonA - NonB Hepatitis. Master of Science, University of Maryland.
- 1992 William M. Beasley: Detection of D-galactose- β -[1 \rightarrow 3]-N-Ac-D-galactosamine in normal, premalignant, and malignant human prostate. Master of Science, University of Maryland.
- 1993 Michael Krebs: Detection of T-antigen in normal, CIN, and Carcinoma *in situ* of the cervix using GO-Schiff technique. Master of Science, University of Maryland.
- 1993 George T. Tyner, Jr.: The expression of the tumor marker D-galactose β -[1 \rightarrow 3]-N-acetyl-D-galactosamine in various normal and cancerous tissues by galactose oxidase-Schiff sequence. Master of Science, University of Maryland.
- 1998-2003 Kwanchanit Tantivejkul: Inositol hexaphosphate inhibits key events of cancer metastasis in a human mammary cancer model *in vitro*. Doctor of Philosophy, University of Maryland, 2003.

Member of the Advisory Committee:

- 1995-1998 M. Catherine Wood Cox: Effect of inositol hexaphosphate (InsP₆) on cell cycle kinetics in MCF-7 and MDB-MB-231 human breast cancer cells. Master of Science, University of Maryland.
- 2003-2004 Lori Rittel: Inositol hexaphosphate and its role in Angiogenesis. Master of Science, University of Maryland.
- 2009 Hend Fouad Abd El-Fatah Mahmoud, Doctor of Philosophy, National Cancer Institute, Cairo University.
- 2010 Nahed Ahmed Hussien, Doctor of Philosophy, Department of Zoology, Faculty of Science, Cairo University.

Advisor to Post Doctoral Fellows:

- 1985-1987 Alaaeldeen M. Elsayed, M.D. (Cairo University, Egypt, 1982). Current Position: Pathologist in Practice
- 1986-1990 Asad Ullah, M.D. (King Edward Medical College, Lahore, Pakistan, 1982). Current Position: Attending Gastroenterologist, VA Medical Center, Buffalo & State University of New York, Buffalo, N.Y.
- 1986-1987 Mary J. Hinzman, Ph.D. (Thomas Jefferson University, 1986). Current Position: Scientist - Pharmaceutical Industry.
- 1988 Abdul Baten, M.D. (Peoples Friendship University, Moscow, USSR, 1980), Ph.D. (D.I. Ivanovsky Institute of Virusology, Moscow, USSR, 1983). Current Position: Industrial Scientist.
- 1990-1991 Huimian Xu, M.D. (China Medical University, Shenyang, 1981), M.M. (China Medical University, 1986). Current Position: Associate Professor of Oncology, China Medical University, Shenyang, P.R. of China.
- 1990-1992 Kosaku Sakamoto, M.D. (Gunma University, Japan, 1974), D.M.Sc. (Gunma University, 1986). Current Position: Chief of Surgery, Maki Hospital, Takasaki, Japan.
- 1993-1994 Guang Yu Yang, M.D., Ph.D. (China Medical University, Shenyang 1983, 1992). Current Position: Joseph C. Calandra Research Professor of Pathology & Toxicology, Northwestern University Medical Center, Chicago, Illinois.

Medical Student Advisor:

- 1979 Lawrence Weiss, M.D. (University of Maryland, 1982): Early premalignant changes in human colon mucosa remote from carcinoma, (please see abstract #4 and paper #17).
- 1980 Jerry B. Schwartz, M.D. (University of Maryland, 1982): Effects of leukemic infiltrates in various organs in chronic lymphocytic leukemia, (please see abstract #7 and paper #13).
- 1981 Robert Phillips, M.D. (University of Maryland, 1983): Preneoplastic and neoplastic changes in colonic mucosa of Crohn's disease, (please see paper #22).
- 1986 Kathryn McKenzie, M.B., B.S. (University of Glasgow, U.K., 1988): Expression of tumor markers in neoplastic and preneoplastic colonic mucosa, (please see paper #52).
- 1991 Giridhar Venkatraman, M.D. (University of Maryland, 1992): Modulation of the tumor marker D-galactose- β -[1 \rightarrow 3]-N-acetyl-D-galactosamine by inositol hexaphosphate in HT-29 colon cancer cell line, (please see abstract #61 and paper #69).

Teaching Activities - Continued:

Advisor to Visiting Scientists:

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|-----------|--|
| 1983 | Frederich G. Koehler, M.D., Universitat Marburg, Marburg, Germany |
| 1985 | Kosaku Sakamoto, M.D., Gunma University, Maebashi, Japan |
| 1996-1998 | Ihab Talat Saied, M.B.B.cH, M.Sc, Assistant Lecturer of Pathology, El-Minya Medical College, El-Minya, Egypt |
| 1997 | Zhenshu Zhang, M.D., Associate Professor and Vice-Director of the Department of Gastroenterology, Nanfang Hospital, Guangzhou, P.R. China. |
| 1997 | Tetsuyuki Katayama, Ph.D., Research Associate, Laboratory of Nutritional Science, Faculty of Education, Hiroshima University, Japan. |
| 1998 | Angela Rasinariu, M.D., Ph.D., Oncological Institut "I Chiricuta", Cluj-Napoca, Romania. UICC (International Union Against Cancer) - ICRETT Fellowship |

Other Teaching Activities:

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|-----------|---|
| 1979-1982 | Diagnostic Electron Microscopy Seminars, St. Agnes Hospital, Baltimore, Maryland. |
| 1980-1982 | Pathology of the Endocrine & Gastrointestinal System, Universidad del Carribe, School of Medicine, Cayey, Puerto Rico (Approximately 80 medical students, 100 contact hours/yr). |
| 1980 | Diagnostic Electron Microscopy of Gastrointestinal Neoplasms, Diagnostic Electron Microscopy Long Course, 69th Annual Meeting of the International Academy of Pathology (U.S. - Canadian Division). New Orleans, Louisiana, February 25-29, 1980. |
| 1981 | Diagnostic Electron Microscopy and Cellular Pathobiology: Workshop for Pathologists of 7th Medical Command (U.S. Army). Berchtesgaden, F.R. Germany, November 2-4, 1981. |
| 1984 | Electron Microscopy: Pathology Boards Review Course. The Twin Bridges Marriott, Arlington, VA, November 8-13, 1984. |
| 1984 | Diagnostic Electron Microscopy Lecture Series", Second Scientific Meeting of the Cathedra of Anatomical Pathology. Faculty of Medicine, University of Zulia, Maracaibo, Venezuela, March 7-10, 1984. |

Organization of Seminars, Workshops, Meetings, etc.:

- 1982 Organizer and Lecturer: Diagnostic Electron Microscopy and Cellular Pathobiology and Pathology of Gastrointestinal Diseases: Workshop for Pathologists of 7th Medical Command (U.S. Army). Walldorf, Germany, November 9-11, 1982.
- 1993 Member Program Committee: *Diet and Breast Cancer*, American Institute for Cancer Research Annual Research Conference, Washington, D.C., September 2-3, 1993.
- 1994 Co-Chairperson: Advances in Diagnostic Laboratory Methods, International Congress on Cancer, Cairo, Egypt, November 7-11, 1994.
- 1997-1998 Member, Organizing Committee, First International Symposium on *Disease Prevention by IP-6 and Other Rice Components*, Kyoto Japan, June 8-9, 1998.
- 1998 Co-Chairperson, New Anti-cancer Agents - Part I, *Sixth International Conference of Anticancer Research*, Kallithea, Halkidiki, Greece, October 21-25, 1998.
- 2001 Member, Organizing Committee, Antioxidants in Cancer Prevention and Therapy, *IIAR 2001 Conferences*, Athens, Greece, June 4-7, 2001.
- 2001 Member, Organizing Committee, New Anti-cancer Agents, *IIAR 2001 Conferences*, Kapandriti, Greece, June 9-12, 2001.
- 2001 Co-Chair, New Chemotherapeutic Strategies III, New Anti-cancer Agents, *IIAR 2001 Conferences*, Kapandriti, Greece, June 9-12, 2001.
- 2004 Co-Chair. IP-6 and Cell Signaling in Fighting Cancer, 7th International Conference of Anticancer Research, Corfu, Greece, October 25-30, 2004.

GRANT SUPPORT:

- 1977 Principal Investigator, "Development of *in vitro* model of rat colon carcinogenesis." University of Maryland at Baltimore (UMAB) Graduate School Research Award, 1977. Total: \$750.00 (1 year).
- 1978 Principal Investigator, "Ultrastructural studies of *in vitro* carcinogen-induced changes in rat colon epithelium." University of Maryland School of Medicine Bressler Research Fund, 1978. Total: \$2,000.00 (1 year).
- 1978-1982 Project Manager, Colon Section, "Collection and Evaluation of Human Tissues from Patients with an Epidemiological Profile." B.F. Trump, Principal Investigator, National Cancer Institute, NO1-CP-15738, Total Direct Cost: \$848, 001.00. Project Manager, "Colon," \$240, 000; 1978 - 1982.

- 1979-1982 Investigator, "Development of a Course in Prevention Focusing on Cancer, for Medical Students and Residents." National Cancer Institute, #NO1-CP95467. Total: \$559,134; 1979-1982.
- 1983-1986 Project Manager, "Resource for Human Esophageal Tissue and Cells from Donors with Epidemiological Profile." B.F. Trump, Principal Investigator, National Cancer Institute, NO1-CP-25604-59. Contract Amount: \$332,942; 1983 - 1986.
- 1984-1986 Co-Investigator, "Enzyme Immunoassay for Measuring Benzo(a)pyrene-DNA Adducts." I.C. Hsu, Principal Investigator, American Cancer Society, ACS-BC-460. Total: \$140,000; 1984 - 1986.
- 1984-1985 Sponsor (Glen A. Jockle, M.D., recipient), American Cancer Society Regular Clinical Fellowship. Total: \$6,000; July 1984 - June 1985.
- 1985-1986 Sponsor (Edgar Khalluf, M.D., recipient), American Cancer Society Regular Clinical Fellowship. Total: \$6,000; July 1985 - June 1986.
- 1985-1986 Sponsor (Jose L. Mira, M.D., recipient), American Cancer Society Regular Clinical Fellowship. Total: \$6,000; July 1985 - June 1986.
- 1985-1987 Principal Investigator, "Colon Carcinogenesis *in vivo*." American Cancer Society, PDT 284. Total: \$165,000; July 1985 - June 1987.
- 1986-1987 Sponsor (Kurt C. Gunter, M.D., recipient), American Cancer Society Regular Clinical Fellowship. Total: \$6,000; July 1986 - June 1987.
- 1986-1987 Principal Investigator, "Fecapentaene Induced lesion in Cellular Macromolecules." Special Research Initiative Support (Cathie Novotny, recipient), Graduate Studies and Research, University of Maryland at Baltimore. Total: \$7,200; September 1986 - August 1987.
- 1986-1987 Sponsor, "Studies on the Effect of Sodium Phytate on Azoxymethane-induced Colon Carcinogenesis," (Mary J. Hinzman, Ph.D., Principal Investigator). American Cancer Society Institutional Grant. Total: \$4,375; September 1986 - June 1987.
- 1987-1988 Sponsor (Robert Van Wesep, Ph.D., M.D., recipient), American Cancer Society Regular Clinical Fellowship. Total: \$6,000; July 1987 - June 1988.
- 1987-1988 Principal Investigator, "Oncogene Expression in Precancer and Cancer of the Colon." Special Research Initiative Support. University of Maryland at Baltimore. Total: \$8,800; January 1987 - June 1988.
- 1987-1991 Principal Investigator, "The Role of Fecapentaenes in Colon Carcinogenesis." American Cancer Society Grant #BC-594. Total: \$170,000, July 1, 1987-June 30, 1989; Renewal #BC-594A. Total \$85,000; July 1, 1989 - June 30, 1991.

- 1987-1988 Co-Investigator, "Colorectal Cancer Screening: Evaluation of the Mucus Test in a Primary Care Setting." Charles Mackett, III, M.D., Principal Investigator (USUHS, Bethesda, MD). Department of Defense. Total Direct Cost: \$12,107; October 1, 1987 - September 30, 1988.
- 1988-1989 Sponsor (Asish K. Chakravarthy, M.D., recipient), American Cancer Society Clinical Oncology Fellowship. Total: \$10,000; July 1988 - June 1989.
- 1988-1989 Principal Investigator, "Inhibition of Colon Carcinogenesis by Phytate." American Institute for Cancer Research. Grant #87-B46. Total: \$38,728; July 1, 1988 - June 30, 1989.
- 1992-1993 Principal Investigator, Intermediate End-point Marker Modulation by InsP₆. Designated Research Initiative Fund (DRIF). University of Maryland at Baltimore. Total: \$9,985; July 1, 1992 - June 30, 1993.
- 1992-1997 Principal Investigator, "Preclinical Evaluation of Intermediate Endpoints and their modulation by Chemopreventive Agents." Master Agreement Contract, National Institutes of Health #NO1-CN-25484. Dec. 14, 1992 - June 23, 1997.
- 1993 Consultant, "Effect of Inositol Compounds on Mammary Carcinogenesis." Ivana Vucenik, Ph.D., Principal Investigator (Department of Medical and Research Technology, University of Maryland School of Medicine). American Institute of Cancer Research. Grant #92B18. Total: \$48,833; January 1, 1993 - December 31, 1993.
- 1993-1994 Co-Investigator, "Effect of Inositol Hexaphosphate on Mammary Carcinogenesis." Ivana Vucenik, Ph.D., Principal Investigator (Department of Medical and Research Technology, University of Maryland School of Medicine). American Institute of Cancer Research. Grant #MG92B02. Total: \$100,029; January 1, 1993 - December 31, 1994.
- 1993-1994 Principal Investigator, "Colon Cancer Inhibition by InsP₆." American Institute for Cancer Research Grant #MG92B01. Total: \$99,963; January 1, 1993 - December 31, 1994.
- 1996-1998 Principal Investigator, "Pathological and immunohistochemical study of colorectal tumors" Embassy of the Arab Republic of Egypt #CD 1377 - Ihab Talat Saied, Minia University. Total \$17,000; May 1, 1996 - April 30, 1998.
- 1998-1999 Co-Principal Investigator, "Metabolism and Pharmacokinetics of IP₆ in vivo" (Ivana Vucenik Ph.D., Principal Investigator), American Institute for Cancer Research #98A051, Total \$82,366; July 1, 1998 - June 30, 1999.
- 1999-2000 Co-Principal Investigator, "IP₆ a Therapeutic Modulator of PKC* in Human Breast Cancer" (Ivana Vucenik Ph.D., Principal Investigator), Susan G. Komen Breast Cancer Foundation #99-003052, Total \$82,125 December 31, 1999 - December 30, 2000.

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95. Grases, F., Simonet, B., Vucenik, I., Perelló, J., Prieto, R., and Shamsuddin, A.: Inositol hexaphosphate (IP₆) and inositol triphosphate (IP₃) content in biological fluids, malignant cells and normal tissues. European Association of Cancer Research Annual Meeting EACR 17, Granada, Spain, June 8-11, 2002. *Revista de Oncologia* 4 (Supplement # 1): 61, 2002.
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106. Vucenik, I., Grases, F., Costa-Bauzá, A., Prieto, R.M., and Shamsuddin, A.M.: From Phytate, the Anti-Nutrient, to IP₆, the Vitamin! 1st World Congress of Public Health Nutrition, Barcelona, Spain. September 28-30, 2006.
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108. Kolappaswamy, K., Vucenik, I., Williams, K.A., Shamsuddin A.M., and De Tolla, L.J.: Non-melanoma skin cancer and pathological evaluation of SKH-1 mouse treated with oral inositol hexaphosphate (IP6). 58th AALAS National Meeting, Charlotte, North Carolina, October 14-18, 2007.
109. Shamsuddin, A., Vucenik, I., Williams, K., Kolappaswamy, K., and De Tolla, L.: Inositol hexaphosphate (IP₆) & inositol protect against ultraviolet B-induced injury and tumor formation *in vitro* and *in vivo*. AACR Centennial Conference. Translational Cancer Medicine: Technologies to Treatment, Singapore November 4-8, 2007.
110. Shamsuddin, A. M.: "IP₆+Inositol: Miracle Medicine from Rice" 17th CBA (Chinese Biopharmaceutical Association) Annual Conference, Qingdao, PRC, July 2-3, 2012, p22.

SCIENTIFIC CORRESPONDENCES

Letter to the Editor (Refereed/Moderator Approved):

Shamsuddin, A.K.M. and Trump, B.F.: Two Types of Mucous Cells in the Colon Crypt? (In Reply)
Journal of the National Cancer Institute 67: 747-749, 1981.

Shamsuddin, A.K.M. and Phillips, R.M.: Carcinoma or Dysplasia in Crohn's Disease (In Reply).
Archives of Pathology & Laboratory Medicine 106: 308, 1982.

Shamsuddin, A.M.: Screening for Colorectal Cancer. *New England Journal of Medicine* 326: 135-136,
1992.

Shamsuddin, A.M.: Phytate and Colon Cancer Risk. *American Journal of Clinical Nutrition* 55: 478,
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Shamsuddin, A.K.M.: Evaluation of a test for abnormal rectal mucus for early detection of colon cancer.
Cancer Epidemiology, Biomarkers and Prevention 1: 603-604, 1992.

Shamsuddin, A.K.M.: Is aberrant abnormal? *Gastroenterology* 108: 1609, 1995.

Shamsuddin, A.M.: Demonizing phytate. *Nature Biotechnology* 26(5): 496-497, 2008.

Shamsuddin, A. K. M: Comments on "Microenvironmental regulation of stem cells in intestinal
homeostasis and cancer" *Nature* 474:318-326. 16 June 2011.
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Shamsuddin, A. K. M: Comments on "Prevention: Activity is the best medicine" *Nature* 474:318-326. 14
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Shamsuddin, A. K. M: Comments on "Experimental therapies for Parkinson's disease: Why fake it?"
Nature 476:142-144. [http://www.nature.com/news/2011/110810/full/476142a.html#comment-id-
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Shamsuddin, A. K. M.: Comments on "Colorectal Cancer in Primary Care" *Natural Medicine*.
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Shamsuddin, A. K. M.: Comments on "Prevention: Nipped in the Bud" *Nature* 485: S18-S19.
http://www.nature.com/nature/journal/v485/n7398_supp/full/485S18a.html 26 May 2012.

Shamsuddin, A. K. M.: Comments on "Preventing Alzheimer's Disease" *Science* 337: 1488-1492,
<http://comments.sciencemag.org/content/10.1126/science.1228541> 04 October, 2012.

Other Publications (Non-refereed):

Shamsuddin, A. M.: Carbohydrate tumor marker – basis for a simple cancer screening test. *Biochemia Medica* 6: 265-275, 1996.

Vucenik, I., and Shamsuddin, A.M.: Inositol hexaphosphate (IP₆) reduces risk for cancer and cardiovascular diseases. *Periodicum Biologorum* 99: 25-30, 1997.

Shamsuddin, A. K. M.: IP₆: An Anti-Cancer Agent, and More. *Natural Medicine*, 1:9-16; 1998.

Shamsuddin, A. M.: Bran antioxidants could provide protection from UVB radiation. *Household and Personal Care Today*, 2: 35-37, June Supplement, Focus on Sun Care, 2008.

INVITED LECTURES & WEBINARS

- "*In Vitro* Studies of Colon Carcinogenesis", University of Puerto Rico, San Juan, Puerto Rico, April 25, 1979.
- "Pathogenesis of Colonic Cancer", *Human Tissue Studies Collaborative Meeting*. Division of Cancer Cause and Prevention, National Cancer Institute, National Institutes of Health, Bethesda, Maryland, January 25, 1980.
- "Systemic Lupus Erythematosus", University of Pennsylvania, Milton Hershey Medical School, Hershey, Pennsylvania, February 1980.
- "Carcinoma of the Colon, its Etiology and Pathogenesis", University of Dhaka, Dhaka Medical College, Dhaka, Bangladesh, June 25, 1980.
- "The Pathology of the Thyroid Gland", University of Dhaka, Dhaka Medical College, Dhaka, Bangladesh, July 3, 1980.
- "Histogenesis of Carcinoma of Colon", Institute of Post Graduate Medicine, Dhaka, Bangladesh, July 10, 1980.
- "Effects of Leukemic Infiltrates in Parenchymal Organs", College of Physicians and Surgeons, Dhaka, Bangladesh, July 11, 1980.
- "Explant Culture of Rat Colon: An Experimental Model," International Center for Diarrheal Diseases Research. Dhaka, Bangladesh, July 15, 1980.
- "Etiology and Pathogenesis of Large Bowel Cancer", *American Cancer Society Prevention and Management Conference*. Baltimore, Maryland, March 28, 1981.
- "Carcinoma of the Large Intestine - Studies of the Histogenesis", Cancer Institute (JFCR), Tokyo, Japan, June 3, 1982.
- "Histogenesis of Large Intestinal Carcinoma: Implications on Early Detection and Prevention", Gunma University, Gunma, Japan, June 14, 1982.
- "Etiology and Pathogenesis of Large Intestinal Carcinoma", Gunma University, Gunma, Japan, June 14, 1982.
- "Detection of Benzo(a)pyrene-DNA antigenicity in Human. Cancer Institute (JFCR), Tokyo, Japan, June 16, 1982.
- "Histogenesis of Colonic Carcinoma", Tokyo Medical and Dental University, Tokyo, Japan, June 22, 1982.
- "Large Intestinal Carcinomas: Experimental Models and Human Disease", National Cancer Center Research Institute, Tokyo, Japan, June 22, 1982.
- "Recent Progress in Large Intestinal Carcinogenesis", Tokyo University, Tokyo, Japan, June 24, 1982.

Invited Lectures & Webinars - continued:

- "Evidence of Carcinogen-DNA Adducts in Exposed Humans", Maryland Cancer Program. Baltimore, Maryland, November 4, 1982.
- "Recent Developments in Enzyme Immunoassays", Maryland Society of Pathologists. Baltimore, Maryland, March 16, 1983.
- "Colon Cancer - Prevention and Etiology". *9th Annual Family Medicine Review Course*. Baltimore, Maryland, June 13-17, 1983.
- "Organ Culture of Human Endocervix", *NFCR - Cancer Research Association Symposium: Biochemical and Clinical Aspects of Cancer of the Uterine Cervix*. Uxbridge, Middlesex, U.K., September 7-9, 1983.
- "Biochemical and Molecular Epidemiology of Cancer", *7th Meeting of the European Association of Cancer Research*. Copenhagen, Denmark, September 19-21, 1983.
- "Diagnostic Electron Microscopy Lecture Series", *Second Scientific Meeting of the Cathedra of Anatomical Pathology*. Faculty of Medicine, University of Zulia, Maracaibo, Venezuela, March 7-10, 1984.
- "Morphogenesis of Large Intestinal Carcinoma - its Significance in Early Detection", The UICC-Fukuoka Symposium 1984 on *Fundamentals and Clinical Aspects of Digestive Tract Tumors*, Fukuoka, Japan, September 30, 1984.
- "Histogenesis of Large Intestinal Carcinoma", *43rd General Meeting of the Japanese Cancer Association*. Fukuoka, Japan, October 4, 1984.
- "Cancer of the Large Intestine" Gunma University School of Medicine, Gunma, Japan, October 8, 1984.
- "Detection of Carcinogen-DNA Adducts in Human" National Cancer Center Research Institute. Tokyo, Japan, March 8, 1985.
- "Measurement of AFB₁ metabolites and adducts", *Human Tissue Studies Collaborative Group Meeting on Liver Carcinogenesis*, National Cancer Institute. Rockville, Maryland, April 4, 1985.
- "Detection of carcinogen-DNA adducts in humans exposed *in vivo*", School of Tropical Medicine and Public Health, Johns Hopkins University, Baltimore, Maryland, April 5, 1985.
- "Enhancers of Large Intestinal Carcinogenesis" at A workshop on toxicity, tumor promotion and carcinogenesis: *Mechanism, species comparisons and dose response*, The Given Institute of Pathology, Aspen, Colorado, July 20-24, 1985.
- "Colon Organ Culture". *Colon Carcinoma Workshop*. Smith, Kline & French Laboratories, Philadelphia, Pennsylvania, October 31 - November 1, 1985.
- "Screening Tests for Large Intestinal Cancer", Navy Hospital, Bethesda, Maryland, January 8, 1987
- "Markers of Precancer and Cancer of the Colon", University of Arizona Health Science Center, Tucson, Arizona, February 19, 1987.

Invited Lectures & Webinars- continued:

- "A New Screening Test for Colon Cancer", George Washington University Hospital, Washington, D.C., October 12, 1987.
- "A New Screening Test for Large Intestinal Cancer", Roswell Park Memorial Institute, Buffalo, NY, July 29, 1987.
- "A New Test for Colorectal Cancer Screening", Abbott Laboratories, Abbott Park, IL, March 9, 1988
- "Development of a Screening Test for Large Intestinal Cancer", E.I. DuPont de Nemours. Billerica, MA, March 10, 1988.
- "New Strategies for Early Detection and Prevention of Colorectal Cancer" University of Illinois College of Medicine, Rockford, IL, March 24, 1988.
- "New Approaches to Early Detection and Prevention of Large Intestinal Cancer", *US-Italy Workshop on Colon Cancer*, National Cancer Institute, National Institute of Health, Bethesda, MD, June 16-17, 1988.
- "Usefulness of Experimental Models in Strategies for Early Detection and Prevention of Large Intestinal Carcinomas", Navy Hospital, Bethesda, MD, October 6, 1988.
- "New Strategies for Early Detection and Prevention of Colorectal Cancer" Meharry Medical College, Nashville, TN, March 13, 1989.
- "Disaccharide Mucus Marker", *National Cancer Institute Planning Workshop on the Application of Non-Guaiacum Technologies for the Early Detection of Colorectal Cancer*. Bethesda, MD, June 12, 1989.
- "Usefulness of Galactose Oxidase Test in Early Detection of Precancer and Cancer of the Large Intestine", *Institut Gustave Roussy*, Villejuif, France, June 19, 1989.
- "Histogenesis of Colorectal Cancer and its Significance in Early Detection", Gunma University School of Medicine, Maebashi, Japan, August 17, 1989.
- "New Approaches to Early Detection, Prevention and Treatment of Colorectal Cancer", Cancer Institute (JFCR), Tokyo, Japan, September 19, 1989.
- "The Role of Inositol Phosphates in Cellular Growth and Tumor Inhibition", National Cancer Center Research Institute, Tokyo, Japan, November 21, 1989.
- "Histogenesis and Markers of Large Intestinal Cancer and Precancer", China Medical University, Shenyang, PRC, December 30, 1990.
- "A New Screening Test for Large Intestinal Cancer and Chemoprevention by Inositol Phosphate", Cancer Institute, China Medical University, Shenyang, PRC, December 31, 1990.
- "Antineoplastic Action of Inositol Compounds", *NIH Workshop on Cancer Chemopreventive Agents*, LaJolla, California, February 3, 1991.
- "Novel Antineoplastic Function of Inositol Phosphates", Neoplastic Diseases Seminar, Maryland Cancer Program, Baltimore, Maryland, February 28, 1991.

Invited Lectures & Webinars - continued:

- "The Role of Inositol Hexaphosphate as an Antineoplastic Agent", Veterans Administration Medical Center, Washington, D.C., November 15, 1991.
- "Anticancer Actions of Cereal Grain InsP₆", Kellogg Co., Battlecreek, Michigan, April 28, 1992.
- "Carbohydrate Tumor Markers-Basis for a Simple Test for Colorectal Cancer" *Diet and Cancer: Markers, Prevention, and Treatment*. American Institute for Cancer Research Annual Research Conference, McLean, Virginia, October 29-30, 1992.
- "Role of Phytic Acid in Cancer", American Health Foundation, Valhalla, New York, November 5, 1993.
- "Simple Carbohydrate Tumor Marker: Basis for a Simple Test for Colorectal Cancer", Howard University Cancer Center, Washington, D.C., January 6, 1994.
- "Utilization of a disaccharide tumor marker for colorectal cancer screening", Howard University College of Allied Health Sciences, Washington, D.C., February 17, 1994.
- "Inositol Phosphates as Anticarcinogens". *First International Symposium on the Role of Soy in Preventing and Treating Chronic Disease*, Mesa, Arizona, February 20-23, 1994.
- "Carbohydrate Tumor Markers for Colorectal Cancer" *DCPC Colloquium*, National Cancer Institute, Rockville, Maryland, October 19, 1994.
- "Tumor Markers", *International Congress on Cancer: Advances in Research and Treatment*, Cairo, Egypt, November 7-11, 1994.
- "A Simple Tumor Marker for Early Diagnosis & Screening of Cancer", *International Congress on Cancer*, Cairo, Egypt, November 7-11, 1994.
- "IP₆: A Novel Anti-cancer Agent", *Fifth International Conference of Anticancer Research*, Corfu, Greece, October 17-22, 1995.
- "A Simple Mucus Test for Colorectal Cancer Screening", *Fifth International Conference of Anticancer Research*, Corfu, Greece, October 17-22, 1995.
- "Chemoprevention by IP₆: Free Radicals vs. Signal Transduction". *13th Summer Carcinogenesis Meeting*. Mt. Fuji, Japan, August 23-25, 1996.
- "52 Year-old male with left scapular pain, cough and a large mass in left upper lobar area by X-ray" - Clinicopathological Conference, University of Tokyo Faculty of Medicine, Tokyo, Japan, August 26, 1996.
- "Field-Effect Theory in Cancer Formation and Cancer Control", Tokyo Society of Medical Sciences, University of Tokyo, Tokyo, Japan, August 27, 1996.
- "Usefulness of a Simple Carbohydrate Tumor Marker in Cancer Screening" Cancer Research Institute, Kanazawa University, Kanazawa, Japan, August 29, 1996.
- "Disaccharide Tumor Marker - Basis for a Simple Test for Cancer Screening" Cancer Center, Nara Medical University, Nara, Japan, September 3, 1996.

Invited Lectures & Webinars - continued:

Clinicopathological Conference - "52 Year-old male with left scapular pain, cough and a large mass in left upper lobar area by X-ray" Nara Medical University, Nara, Japan, September 3, 1996.

"Novel but Simple Strategies for Cancer Screening and Prevention" Cancer Institute (JFCR), Tokyo, Japan, September 4, 1996.

"Fight Cancer with Phytate!", *International Conference on Cereal Chemistry, American Association of Cereal Chemists Annual Meeting*, Baltimore, MD, September 15-19, 1996.

"Carbohydrate Tumor Marker: Basis for a Simple Screening Test for Cancer" *Second Croatian Congress on Medical Biochemistry*. Pula, Croatia; September 25-29, 1996.

"IP₆: From Soil to Cell and Disease Control" Ruder Boskovic Institute, Zagreb, Croatia; September 30, 1996.

"Why add phytate to diet?" Hill's Pet Nutrition Inc. Topeka, Kansas; March 31, 1997.

"IP-6: A Sugary Solution for Cancer Control" Strang-Cornell Epithelial Carcinogenesis Seminar, Strang Cancer Research Laboratory, The Rockefeller University, New York, NY, May 6, 1997.

"A Novel Anti-cancer Function of Inositol Hexaphosphate" Laboratory of Comparative Carcinogenesis, National Cancer Institute, Frederick Cancer Research and Development Center, Frederick, Maryland, September 5, 1997.

"Metabolism and Cellular Functions of IP₆" *First International Symposium on Disease Prevention by IP₆ and Other Rice Components*, Kyoto, Japan, June 8-9, 1998.

"Anticancer Action and Other Health Benefits of IP₆ from Rice Bran." Bangladesh Council of Scientific & Industrial Research (BCSIR), Dhaka, Bangladesh. June 21, 1998.

"Inositol Phosphates in Control of Cancer Cell Proliferation and Differentiation" The Hormel Institute, University of Minnesota, Austin, MN; September 4, 1998.

"IP-6: A New Natural Chemotherapeutic and Chemopreventive Agent" *16th Summer Meeting of the Egyptian Society of Surgeons*, Alexandria, Egypt, September 23-25, 1998.

"Simple Strategies for Cancer Detection and Prevention" Minia Medical School, El-Minia, Egypt, September 28, 1998.

"Inositol Phosphates in Cancer Prevention and Therapy" *Sixth International Conference of Anticancer Research*, Kallithea, Halkidiki, Greece, October 21-25, 1998.

"Cancer Therapy and IP₆" *Immunosupportive Care for the Patient with Cancer: Fifth Annual Conference Exploring Clinical Nutrition, Botanical Medicine, Psychoneuroimmunology and Other Innovative Approaches*. Philadelphia, PA, November 1, 1998.

"IP₆: A Natural Anti-Cancer Agent" *Sixth International Congress on Anti-Aging & Biomedical Technology*. Las Vegas, NV, December 11-13, 1998.

"Rectal Mucus Test for Colon Cancer" *Tumor Markers at the Millennium*, Santa Barbara, CA. February 26 - March 2, 1999.

Invited Lectures & Webinars - continued:

"IP₆: A Natural Anti-Cancer Agent" Speaker and Panelist, *Prospects and Promises: Research in Cancer Prevention*. National Nutritional Food Association's Convention MarketPlace 99, Las Vegas, NV, July 8, 1999.

"A Simple Carbohydrate Marker for Cancer Screening" 3rd *Panhellenic Congress of Tumor Markers dedicated to the Memory of George N. Papanicolaou*, Athens, Greece, November 30 - December 3, 2000.

"IP-6: An Antioxidant and More" 3rd *Pan-Hellenic Congress of Tumor Markers dedicated to the Memory of George N. Papanicolaou, Satellite Symposium on Free Radicals & Cancer*, Kapandriti, Attiki, Greece, November 30 - December 3, 2000.

"Novel Anti-cancer Actions of IP₆ and Inositol," *New Anti-cancer Agents, IJAR 2001 Conferences*, - Kapandriti, Greece, June 9-12, 2001.

"An Approach to Cancer with Inositol Hexaphosphate" *Naturopathic Care for the Elderly, British Naturopathic Association Annual Meeting*, London, U.K. April 6-7, 2002.

"IP-6: A Revolution in Health Care" *The 6th International Trade Exhibition for Natural and Organic Products, Natural Products Europe 2002*, London, U.K., April 7-8, 2002.

"Evidence on Benefits of Phytates for Human Health" *HarvestPlus Program Advisory Committee Meeting*; International Food Policy Research Institute (IFPRI), Washington D.C., November 23, 2004.

"IP-6 and Cell Signaling in Fighting Cancer, From Laboratory to Clinic" The Biological and Environmental Research (BER) program, Office of Science, U.S. Department of Energy, Hotel@MIT, Cambridge, Massachusetts, February 16-17, 2005.

"Health Benefits of IP₆ + Inositol" Bangladesh Institute for Research in Diabetes, Endocrinology and Metabolism (BIRDEM), Dhaka, Bangladesh, July 13, 2006.

"Inositol Hexaphosphate (IP₆) as an Anticancer Agent" 21st Pacific Science Congress, Okinawa, Japan, June 12-18, 2007.

"IP₆: A Broad Spectrum Anticancer Agent" Coppin State University, Baltimore, MD April 24, 2009.

"IP₆+Inositol: Miracle Medicine from Rice" 17th CBA (Chinese Biopharmaceutical Association) Annual Conference, Qingdao, PRC, July 2-3, 2012.

"Two Simple Approaches to Cancer Control: A Sustainable Global Health Perspective" Keynote Speaker, 2nd International Symposium Sustainable Science, Technology, Human Health & Environment for A Global Society; Coppin State University, Baltimore, MD. May 1-2, 2014.

"Biological and Industrial Applications of Rice-Derived IP₆ and Inositol" Albany State University, Albany, GA, November 18, 2014.

"How To Stimulate Natural Killer Cells? *Naturally, Of Course!*" Coppin State University, Baltimore, MD. November 21, 2014.

Invited Lectures & Webinars - continued:

"IP6 + Inositol: Natural Anticancer Cocktail" Webinar at NutriConsult, Antwerp, Belgium, February 16, 2016. <http://nutriconsult.be/webinar-dr-shamsuddin-ip6-inositol/>

"Health Benefits of Inositol & IP₆" SAMEM Conference on Women's Health, Madrid, Spain, February 17-19, 2016.

"IP6 & Inositol: Anticancer Components of Cereal Grains" *IV Edición Curso sobre Nutrición de 100% Natural*. Madrid, Spain. February 20, 2016.

..... *Respectfully*

A. K. M. Shamsuddin