

ABU KABIR MOSTOFA SARWAR, Ph.D., M.S., M.Sc.

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EDUCATION:

Indiana University, Bloomington

- **Ph.D.**, Geology with Dissertation in Geophysics
- **M.S.**, Physics

Bloomington, IN

Fall 1979 - Summer 1983

Fall 1977 - Summer 1979

Dhaka University

- **M.Sc.**, Physics
- **B.Sc.** (Honors), Physics

Fall 1970 - Summer 1971

Fall 1967 - Summer 1970

CURRENT ACADEMIC & ADMINISTRATIVE POSITIONS:

University of New Orleans

- **Associate Provost**, University Honors Program
- **Professor of Geophysics**

New Orleans, LA

May 2014 - present

August 1992 - present

PAST ACADEMIC & ADMINISTRATIVE POSITIONS:

University of New Orleans

- **Director**, University Honors Program
- **Academic director**, UNO-Innsbruck Summer School
- **Professor**, UNO-Innsbruck Summer School
- **Associate Professor of Geophysics**
- **Director**, Geophysical Research Laboratory
- **Chairman**, Geophysics Program
- **Assistant Professor of Geophysics**

New Orleans, LA

January 2013 - May 2014

Summer 2012

Summer 2005, 2009 & 2010

August 1986 - July 1992

Fall 1988 - Spring 1990

Fall 1983 - Summer 1986

August 1983 - August 1986

University of Pennsylvania

- **Adjunct Faculty**
- **Visiting Professor**

Philadelphia, PA

August 1991 - August 1994

May 1990 - August 1991

Indiana University

- **Associate Instructor**, Department of Geology
- **Computer Consultant**, Mineralogy Research Project
- **Research Assistant**, Indiana University Cyclotron Facility
- **Associate Instructor**, Department of Physics

Bloomington, IN

Fall 1979 - Spring 1983

Summer 1981

Summer 1979

Fall 1977 - Spring 1979

Dhaka University

- **Lecturer**, Department of Physics

1974-1977

EXPERIENCE: MULTI-NATIONAL CORPORATION

Shell Oil Company

- **Visiting Scientist**, BTC Research Laboratory, Houston Summer 2006
- **Staff Geophysicist**, Shell Offshore Inc., New Orleans July 1997- Dec 1998
- **Geophysicist**, New Orleans Summer 1985

EXPERIENCE: US FEDERAL GOVERNMENT

Senior Research Fellow, Naval Research Laboratory, Stennis Space Center, Mississippi, Summer 1992 & Summer 1993

EXPERIENCE: NON PROFIT ORGANIZATION (NPO) OR NGO

Director of the Board, Incorporated Research Institutes of Seismology (IRIS), 1988-2004

EXPERIENCE: LEADERSHIP IN PROFESSIONAL SOCIETY

Chairman, SEG International Committee (currently known as the SEG Global Affairs Committee), 1992-1994

PUBLISHED RESEARCH PAPERS & PRESENTATIONS

- Sarwar have published 33 peer-reviewed papers in journals, monographs, and proceedings on various topics in geosciences, physics and mathematics.
- He has presented more than 70 invited or contributed talks in seminars of universities, research laboratories of multinational corporations, government research laboratories, and annual international meetings of professional societies. For professional presentations, he has visited several countries of the world, including Austria, Bangladesh, Belgium, Bulgaria, China, Denmark, France, Germany, Russia, Sweden, and the Netherlands, among others.
- Sarwar's contributions to wave diffraction, seismic inversion, and the seismic interpretation of the Gulf of Mexico for oil and gas exploration are well received worldwide.
- In 2014 Sarwar authored a research paper with his student R. Broussard, who later presented their research at the 64th Annual Convention of Gulf Coast Association of Geological Societies and the Gulf Coast Section of SEPM, where they received the First Place Thomas A. Philpott Excellence of Presentation award.

AUTHORED RESEARCH BOOKS & BOOK CHAPTERS

- Co-editors: Vogel, Andreas; Sarwar, Abu K. M.; Gorenflo, Rudolf and Kounchev, Ogyngyan I.; January 1, 1992, *Theory And Practice Of Geophysical Data Inversion*, original hardbound 1st Edition (ISBN 978-3-528-06454-9) was published by Friedr Vieweg & Sohn, Postfach 5829, D-6200 Wiesbaden 1, West Germany. Softcover reprint of the original 1st Edition was published by Springer Fachmedien Wiesbaden GmbH in 1992. Later eBook (ISBN 978-3-322-89417-5) reprints are published by Springer Vieweg.
- Snavely, R.K., and Sarwar, A.K.M., 2016, Stratigraphic and structural interpretations by using diffraction seismograms, Book Title: *Seismic Diffraction*, edited by Kamill Klem-Musatov, Henning Hoeber, Tijmen Jan Moser, and Michael Pelissier. Publisher: Society of

Exploration Geophysicists, 8801 S. Yale, Ste. 500, Tulsa, OK 74137-3575, USA. ISBN: 978-1-56080-317-1 for the 1st Edition year 2016 and ISBN electronic 978-1-56080-318-8 for 1st Edition e-book year 2015. pp 539-547.

RESEARCH JOURNAL & MONOGRAPH EDITORSHIP

In 1990 and 1991, Sarwar was the Associate Editor in charge of the Wave Propagation section for the journal *Geophysics*. He served on the editorial board of the seminal monograph series, *Model Optimization in Exploration Geophysics*, published by Vieweg and Sohns and later by Springer Vieweg from Germany.

RESEARCH AND DEVELOPMENT GRANTS & GIFTS

- Sarwar received, together with other colleagues, more than 7.7 Million dollars in grant and gifts from Amoco, Chevron, Department of Energy - USA, Diamond Geophysical, Getty Oil, Naval Research Laboratory - USA, Occidental Petroleum, Petroleum Geo-Services, Schlumberger, Seismic Micro-Technology, Shell Oil, Tensor Geophysical, US Navy-ASEE, Union Oil, and WesternGeco for research and development.
- In 2014 Sarwar received, together with two colleagues, more than two million dollars in grants for seismic software and data from several oil service companies. One grant from Schlumberger, totaling over 1.3 million dollars, got extensive media coverage across the country, including from the Miami Herald.
- Sarwar's students were supported by Aramco, Bureau of Ocean Energy Management, Exxon-Mobil, Murphy Oil, NASA's Stennis Space Center, etc.

CREATIVE WRITING – POETRY BOOKS

- Sarwar, A.K.M. (pen name Mostofa Sarwar), June 13, 2014, *Anulipi: Antorongo Muhurte* ISBN 978-984-90880-5-9 (title translated in English as *Transcripts: Of Intimate Moments*), a book of Bengali Poems, Academic Press and Publications Library, Dhaka, Bangladesh
- Sarwar, A.K.M. (pen name Mostofa Sarwar), June 13, 2014, *Prarthito Nirbasoner Unmad Podaboly* ISBN 978-984-90880-6-6 (title translated in English as *Schizophrenic Rhapsody From Coveted Exile*), a book of Bengali Poems, Academic Press and Publications Library, Dhaka, Bangladesh
- Sarwar, A.K.M. (pen name Mostofa Sarwar), February 1, 2011, *Binosto Rupantorer Bikartotto* ISBN 978-984-33-2422-1 (title translated in English as *Pathology Of Depraved Transfiguration*), a book of Bengali Poems, Academic Press and Publications Library, Dhaka, Bangladesh

SELECTED AWARDS, LECTURESHIPS, RECOGNITIONS, OR PRIZES

- President, Phi Kappa Phi, University of New Orleans chapter, July 1, 2017 – June 30, 2019
- First Place Thomas A. Philpott Excellence of Presentation Award for the paper, "A Palimpsestic Restoration for the Evolution of the Green Knoll Salt Dome in the Gulf of Mexico," authored by Broussard, R., and Sarwar, A.K.M., and presented by R. Broussard at the 64th Annual Convention of Gulf Coast Association of Geological Societies and the Gulf Coast Section of SEPM, Lafayette, Louisiana, October 7, 2014

- Awarded US Department of State Medallion by the Honorable Ambassador Dan Mozena for initiating Friendship and Academic Exchange with Bangladesh in Gulshan, Dhaka, Bangladesh, May 18, 2014
- Honors Faculty of the Year Award, University of New Orleans, April 23, 2014
- Vice President, Phi Kappa Phi, University of New Orleans chapter, April 23, 2013 - 2015
- Best Teacher Award for Undergraduate Science, 2008, University of New Orleans
- Honorary Membership, Golden Key International Honor Society, 2007
- Certificate of Recognition and Appreciation for Service to the Technical Program Committee, for the **SEG** International Exposition & Seventy-Sixth Annual Meeting, October 1-6, 2006, New Orleans, Louisiana
- Special Recognition, for the year 2003 by World Literary Center, New York
- Achievement Award, by FOBANA, at the Madison Square Garden, New York, September 2000
- Leader of the SEG Official Delegations to the International Geophysical Meeting organized by the eastern bloc countries held in Bulgaria (Oct., 1990)
- Member, Board of Directors, Incorporated Research Institutions for Seismology (IRIS), USA, 1988-2004
- Certificate of Distinguished Service as Chairman, International Affairs Committee, SEG, Summer 1992 - Summer, 1994.
- Awarded as Outstanding Associate Editor of journal, "GEOPHYSICS", for the years 1990-91
- Member, International Advisory Board, International Community for Composites Engineering, 1996-1997

SELECTED COMMUNITY SERVICE

- Member, Chamber of Commerce, West Baton Rouge Parish, January 13, 2017 to date
- Louisiana State Representative, Distressed Children & Infants International, 2006-present
- Volunteer for *Poricharja*, a rural hospital in Faridpur, Bangladesh in 2006 to present
- Volunteer for the NGO, named *Polli Progoti*, of Bangladesh from 2006 to present
- Chair, Advancement Committee (Troup level), Boy Scouts of America, 2000-2002

IN BANGLADESH

In Jessore Board, Sarwar stood First in Higher Secondary School Certificate in 1967 from Patuakhali College and Second (Science Group) in Secondary School Certificate in 1965 from Patuakhali Jubilee High School. Sarwar, with two other team members, representing Mohsin Hall - Dhaka University, secured the runner-up position in Bangladesh (the then East Pakistan) in the All Pakistan National Television Quiz Competition of 1968. He hosted Biggan Sikkhar Asor (a popular science program) from Dhaka Television Station in 1973-74. In 1974 Sarwar was elected as a founding Member of Senate of Dhaka University.

Personal

Mostofa Sarwar is married to Dr. Syeda F. Sarwar, M.D., a staff pathologist and the Head of Anatomical Pathology at VA Hospital in New Orleans. She also worked as an Assistant

Professor of Pathology at the Louisiana State University Medical School in New Orleans. Their eldest son, Turhan F. Sarwar, Esq., A.B. (Harvard), J.D. (Univ. of Pennsylvania) is an attorney at Wolf, Greenfield & Sacks in Boston. Their daughter-in-law Dr. Kathleen Lee-Sarwar, A.B. (Harvard), M.D. (Johns Hopkins) is now a Fellow at Harvard's Bingham and Women's Hospital, where she also completed her residency. Their second son, Arush Sarwar, A.B. (Harvard) is a Strategist at Palantir Technologies. Their only daughter, Shaina Sarwar, graduated from Tulane with high Honors and is pursuing her M.D. at LSU Medical School in New Orleans from fall 2017.