Dr. Ahmed Kamal: Invited Lectures


- ‘Molecular Recognition of DNA by Pyrrolobenzodiazepine Antibiotics’ in the meeting on ‘Molecular Recognition: Chemical and Biological Aspects’, Jawaharlal Nehru Centre for Advanced Scientific Research, IISc., Bangalore (October 1992).

- ‘Synthesis of Podophyllotoxin Congeners as Potential DNA Topoisomerase II Inhibitors’ at 10th International Conference on Organic Synthesis, Bangalore (December 1994).

- ‘New Podophyllotoxin Analogues as DNA-Topoisomerase Inhibitors’, at Ranbaxy Research Laboratory, New Delhi (August 1995).


- ‘Enzymes as Biocatalysts in Organic Synthesis’ at the Anwar-Ul-Ulloim College for Postgraduate Studies, Hyderabad (March 1996).


• ‘Chemoenzymatic Synthesis of Biologically Important Compounds’ at Osmania University (October 2000).

• ‘Synthesis and Anticancer Potential of DNA Interactive Heterocycles’ at Osmania University (October 2000).


• Enzyme Assisted Organic Synthesis’ at Osmania University (October 2001).

• ‘Synthesis and Structure Activity Relationship of DNA Binding Heterocycles’ at Osmania University (October 2001).

• ‘Pyrrolobenzodiazepines as Anticancer Agents’ at University of Hyderabad (November 2001).

• ‘Biotransformations in Organic Synthesis’ at JNTU, Hyderabad (November 2002).

• ‘Drug Design and Development’ at University of Hyderabad (November 2002).


• ‘Solid Phase Synthesis of Pyrrolobenodiazepines’ Basel, Switzerland (January 2003).

• ‘Enzyme Mediated Transformations’, University of Bern, Switzerland (January 2003).

• ‘New Hybrids of Pyrrolobenzodiazepines’, Kakatiya University, Warangal (February 2003).

• ‘Gene-targeting Pyrrolobenzodiazepines’, at IUPAC International Conference on Biodiversity and Natural Products: Chemistry and Medical Application (January 2004).


• ‘Development of New Anticancer Agents’, Department of Chemistry, Gulbarga University (July 2004).


• ‘Solution and Solid Phase Synthesis of Pyrrolobenzodiazepines’, Bergische Universität-GH Wuppertal, Germany (May 2005).


• ‘Development of DNA-Binding Anticancer Agents’, The MERCK Seminar Programme, The University of Cape Town, South Africa (February 2006).


• ‘Pyrrolobenzodiazepine Based Compounds as New Anticancer Agents’, A one day seminar on Recent Developments in Chemistry at University College of Science, Osmania University, Hyderabad (August 2006).


• ‘Design and Synthesis of New Molecules as Potential Anticancer Agents’, Evolva Biotech Hyderabad (November 2006).


• ‘Chemoenzymatic Processes and the Development of New Anti-cancer Agents’ CSIR, Pretoria, South Africa (July 2007).

• ‘Greener approaches towards the synthesis of pharmaceutically important compounds’, ISCA 2008: Green-Chemistry Symposium, Andhra University, Vishakapatnam (January 2008).

• ‘Efforts in the Development of New Anticancer Agents’ in Indo-French Joint Laboratory for Sustainable Chemistry at Interfaces Symposium, Hyderabad (July 2008)
• ‘Development of DNA Interactive New Anticancer Agents’ in International Congress on Bioprocesses in Food in Food Industries & 5th Convention of The Biotech Research Society, Osmania University, Hyderabad (November 2008).

• ‘Approaches Based on Green Chemistry Concept’ in National Seminar on Importance of Green Chemistry in Organic Transformations, Kakinada (November 2008)

• ‘Methods Based on Green Chemistry for the Synthesis of Biologically Important Compounds’ at the Indo-Italian Meeting, New Delhi (December 2008)

• ‘Design and Development of DNA Interactive New Anticancer Agents’ in First World Congress on Cancer, Kerala (January 2009).


• ‘Development of DNA Sequence Selective Anticancer Agents’ in National Conference on Recent Advances in Chemical Research, Osmania University (February 2009)

• ‘Gene targeting anticancer pyrrolobenzodiazepines’ in 13th ISCB International Conference on Interplay of Chemical and Biological Science: Impact on Health and Environment, New Delhi (February 2009)

• ‘Pyrrolobenzodiazepine Conjugates and their prodrugs with a potential for selective therapy of cancer’ in National Conference on New Frontiers in Herbal and Synthetic drug Studies (HSDS-2010), Pune (January 2010)

• ‘Development of New Anticancer Agents’ at Saifabad P.G. College, Hyderabad (Jan 2010)

• ‘Potential of Pyrrolobenzodiazepine Conjugates as anticancer agents, Syngene International Ltd, Bangalore (April 2010)

• ‘Pyrrolobenzodiazepines as apoptotic anticancer agents’ in AP Science Congress, JNTU Campus, Hyderabad (August 2010)

• Dr G Bagavant Memorial Lecture on ‘Development of Pyrrolobenzodiazepines as DNA interactive anticancer agents’ in 15th Annual National Convention of April 2010 at Shilpakala Vedika, Hyderabad (November 2010)
• ‘Green Chemistry for Pharmaceutical Applications’ in JNTUH-UGC ASC – A Three-Week Refresher Course on “Modern teaching trends in Applied Chemistry at JNTU, Hyderabad (January 2011)

• ‘Search for Anticancer Agents’ in 17th Annual Symposium on "New Frontiers in Drug Design, Discovery and Development", at National Institute of Immunology, New Delhi (January 2011)

• ‘DNA Interactive Anticancer Agents’ in RSC MedChem Congress 2011 at National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad (February 2011)

• ‘Bioactives from Natural Products’ in National Seminar on Chemistry of Bio-Active Natural Products at MVR Degree & PG College, Visakhapatnam (March 2011)

• ‘Apoptosis Inducing Ability and Anticancer Activity of New Heterocyclics’ in ILS-Merck Symposium at Hyderabad (April 2011)

• ‘Recent Developments in Pharmaceutical Sciences’ Symposium at LV Prasad Eye Institute, Hyderabad (August 2011)


• ‘Recent Advances in Medicinal Chemistry: Development of Cancer Therapeutics’ in 2nd PharmSci@India Symposium at National Institute of Pharmaceutical Education and Research (NIPER), Hyderabad (September 2011)

• ‘Greener Approaches towards the Development of Pharmaceuticals’ at King Saud University, Saudi Arabia (September 2011)

• ‘Advances in Medicinal Chemistry: Development of Cancer Therapeutics’, National Symposium on Current Trends in Pharmaceutical Sciences at Birla Institute of Technology & Science, Pilani, Hyderabad Campus (November 2011)

• ‘Design and Synthesis of New Cancer Therapeutics’, 4th International Chemistry Conference at Riyadh, Saudi Arabia (November 2011)
• ‘Design and Synthesis of New Cancer Therapeutics’, Healthcare India 2012 International Conference at New Delhi (February 2012)

• ‘Development of New Antitubercular Agents’, International Conference on Open Source for Computer-Aided Translational Medicine at Chandigarh (February 2012)

• ‘Advances in Drug Discovery’, Workshop on Modern Chemistry & Biology at Indian Institute of Chemical Technology, Hyderabad (March 2012)

• ‘Improving Sustainability through Pharmaceutical Green Chemistry’, 5th Saudi Science Conference on ‘A New Vision of the Role of Basic Sciences in Development’ at College of Applied Sciences, Umm Al-Qura University, Makkah, Saudi Arabia (April 2012)

• ‘Advances in Medicinal Chemistry: Cancer Therapeutics’, at World’s Science Day, Hyderabad (September 2012)

• ‘Challenges in the Development of Pyrrolobenzodiazepines as Antitumor Antibiotics’, International Conference on Frontiers in Pharmaceutical Sciences: Global Perspectives at University of Rhode Island, USA (September 2012)

• ‘Scope for Innovations and R&D in Pharmaceutical Clusters’, Workshop on Pharma Networks-Innovation & Infrastructure Development, National Institute of Pharmaceutical Education and Research, Hyderabad (November 2012)

• ‘21st Century Labs in India’, India Lab Expo & BioLab Analytika 2012’, Hyderabad (November 2012)


• ‘Chemo-enzymatic processes for the preparation of chiral intermediates’, Chiral India 2012 Workshop at Hyderabad (December 2012)

• ‘Role of Scientists in Capacity Building and Innovator as Scientists’, Engineering Staff College of India, Hyderabad (February 2013)

• ‘Efforts towards the Development of Therapeutics for TB’, 2nd UK-India MedChem Congress, Indian Institute of Chemical Technology, Hyderabad (March 2013)
• ‘Declining Interest in Science Education and Research: Reasons and Remedies’, Indian Institute of Chemical Technology, Hyderabad (March 2013)


• ‘Podophyllotoxin congeners as potential anti-cancer agents’ in the National Workshop on Drug Discovery and Development, Central Research Institute of Unani Medicine, Hyderabad (February 2014)

• ‘Podophyllotoxin congeners as potential anti-cancer agents’ in the 2nd International Conference, Herbals and Synthetic Drug Strategies (HSDS), ISTRA, Pune (February 2014)

• ‘Podophyllotoxin congeners as potential anti-cancer agents’ in the ISCB International Conference University of Delhi, New Delhi (March 2014)

• ‘Pyrrolobenzodiazepine and podophyllotoxin: Leads for development of potential anticancer agents’ in the NDCT - 2014, Hyderabad (June 2014)

• ‘Development of new molecules as potential anticancer agents’ in the CIPLA R&D Centre, Mumbai

• ‘Drug discovery and development: Pyrrolobenzodiazepines as potential chemotherapeutics’ in the ACTREC, Mumbai (November 2014)

• ‘Challenges and opportunities in pharmaceutical education and research’ in the AP Science Congress, Hyderabad (November 2014)

• "Natural products in drug development: Podophyllotoxin congeners as potential chemotherapeutics" in the Central Council for Research in Unani Medicine, New Delhi (February 2015)

• "Natural products as source of new drugs: Podophyllotoxin congeners as potential chemotherapeutics" in the IACR 2015, 34th Annual Convention of Indian Association for Cancer Research, Jaipur (February 2015)

• "Medicinal plants in drug discovery: Podophyllotoxin congeners as potential anticancer agents" in the National Conference on New Frontiers in Medicinal Plants Research (NCMP-2015), Hyderabad (February 2015)