



BIO-DATA / CV

1. Name and full correspondence address: **Dr. Mahadev Kalyankar**
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School of Medical Sciences,
University of Hyderabad
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Phone: +91-040-23135478
3. University / Institution: University of Hyderabad
4. Academic Qualifications (Undergraduate Onwards):

Sl No.	Degree	Year	Subject	University/Institution
1.	B.Sc.	1990	Botany, Zoology, Chemistry	Osmania University, India
2.	M.Sc.	1992	Biochemistry (Life Sci)	University of Hyderabad, India
3.	M.Phil.	1993	Life Sciences	University of Hyderabad, India
4.	Ph.D.	1999	Life Sciences	University of Hyderabad, India

5. Ph.D. thesis title, Guide's Name, Institute/Organization/University, Year of Award:

PhD Thesis Title: *“Effect of Ethanol on Protein Kinases in Rat Brain: A Developmental Study”*

Research Supervisor: Dr. Mohan C. Vemuri

Institute: School of Life Sciences, University of Hyderabad, Hyderabad

Year of Award: 1999

6. Work experience (in chronological order):

Sl No.	Positions held	Name of the Institute	From (Date)	To (date)
1.	Post-doctoral fellow	Temple University, Philadelphia, USA	01-02-1999	30-04-2000
2.	Post-doctoral fellow (Diabetes, Obesity & Metabolic Disorders).	Thomas Jefferson University, Philadelphia, USA	05-01-2000	30-06-2006
3.	Instructor (Junior Faculty) (Diabetes, Obesity & Metabolic Disorders).	Thomas Jefferson University, Philadelphia, USA	07-01-2006	31-03-2010
4.	Instructor (Junior Faculty) (Diabetes, Obesity & Metabolic Disorders).	University of Pennsylvania Philadelphia, USA	03-05-2010	28-02-2011
5.	Reader	University of Hyderabad, India	24-03-2011	24-03-2014
6.	Associate Professor	University of Hyderabad, India	24-03-2014	Present

7. Professional Recognition/ Award/ Prize/ Certificate, Fellowship received by the applicant:

S. No.	Name of Award	Awarding Agency	Year
1	NIH supported <i>Training Grant on Biomolecular Signal Transduction</i>	<i>National Institutes of Health, Bethesda, MD. USA</i>	2005
2	Research Fellowship from University Grants Commission-Council of Scientific and Industrial Research (UGC-CSIR)	India	1993
3	Qualified Graduate Aptitude Test in Engineering (GATE)	India	1993

8. Current Research Activities:

Metabolic Disorders, NAFLD / NASH, Insulin Signaling, Diabetes and Obesity.

9. Details of Projects completed during the last 5 years:

S.No.	Title	Cost in Lakh	Roles as PI/Co-PI	Agency	Status/Date
1.	Training grant in Insulin signal transduction	1.3 Crores	PI	NIH (USA)	Completed//2006
2.	“ <u>NADPH Oxidase</u> Homolog Nox4 and Its Interacting Proteins in Insulin Signaling”	57 Lakhs	PI	DBT	Completed /2017
3.	UPE -2	5 Lakhs	PI	UOH	Completed 2013

10. Publications (List of papers published in SCI Journals, in year wise descending order):

S.No.	Authors	Title	Name of Journal	Impact Factor	Volume	Page	Year
1	Carr RM, Dhir R, Mahadev K, Comerford M, Chalasani NP, Ahima RS.	<u>Perilipin Staining Distinguishes Between Steatosis and Nonalcoholic Steatohepatitis in Adults and Children.</u>	<i>Clin Gastroenterol Hepatol.</i>	7.89	16	30567	2017
2	Mandal CC, Ganapathy S, Gorin Y, Mahadev K, Block K, Abboud HE, Ghosh-Choudhury G, and Ghosh-Choudhury N.	Reactive Oxygen species derived from Nox4 mediate BMP2 gene transcription and osteoblast differentiation.	<i>Biochem J.</i>	4.39	15	393	2011
3	Li J, Wang JJ, Yu Q, Chen K, Mahadev K, Zhang SX	<u>Inhibition of reactive oxygen species by lovastatin down-regulates VEGF expression and ameliorates blood-retinal barrier breakdown in</u>	<i>Diabetes</i>	7.27	59	1528	2010

		<u>db/db mice: role of NADPH oxidase 4.</u>					
4	Mahadev K*, Wu X, Donnelly S, <u>Ouedraogo R,</u> Eckhart AD, Goldstein BJ.	Adiponectin inhibits vascular endothelial growth factor-induced migration of human coronary artery endothelial cells.	<i>Cardiovascular Research.</i>	6.29	78	376	2008
5	Xu SQ*, Mahadev K*, Wu X, Fuchsel L, Donnelly S, <u>Ouedraogo R,</u> Goldstein BJ.	Adiponectin protects against angiotensin II or tumor necrosis factor - alpha induced endothelial cell monolayer hyperpermeability: Role of cAMP/PKA signaling.	<i>Arterioscler Thromb Vasc Biol.</i>	6.6	28	899	2008
6	Nakamura Y, Patrushev N, Inomata H, Mehta D, Kim HW, Urao N, Razvi M, Kini V, Mahadev K, Goldstein BJ, Mckinney R, Fukai T, Ushio-Fukai M.	Role of Protein Tyrosine Phosphatase 1B in VEGF Signaling and Cell-Cell Adhesions in Endothelial Cells.	<i>Circulation Res.</i>	15.8	102	1182	2008
7	<u>Wu X,</u> <u>Mahadev K,</u> <u>Fuchsel L,</u> <u>Ouedraogo R,</u> <u>Xu SQ,</u> <u>Goldstein BJ.</u>	Adiponectin suppresses I{ κ }B kinase activation induced by tumor necrosis factor- α or high glucose in endothelial cells: role of cAMP and AMP kinase signaling.	<i>Am J Physiol Endocrinol Metab.</i>	4.12	200	1836	2007
8	<u>Datla SR,</u> <u>Peshavariya H,</u> <u>Dusting GJ,</u> <u>Mahadev K,</u> <u>Goldstein BJ,</u> <u>Jiang F.</u>	Important role of Nox4 type NADPH oxidase in angiogenic responses in human microvascular endothelial cells in	<i>Arterioscler Thromb Vasc Biol.</i>	6.6	27	2319	2007

		vitro.					
9	<u>Quedraogo R, Gong Y, Berzins B, Wu X, Mahadev K, Hough K, Chan L, Goldstein BJ, Scalia R.</u>	Adiponectin deficiency increases leukocyte-endothelium interactions via upregulation of endothelial cell adhesion molecules in vivo.	<i>Journal of Clinical Investigation.</i>	12.28	117	1718	2007
10	<u>Quedraogo R, Wu X, Xu SQ, Fuchsel L, Motoshima H, Mahadev K, Hough K, Scalia R, Goldstein BJ.</u>	Adiponectin suppression of high-glucose-induced reactive oxygen species in vascular endothelial cells: evidence for involvement of a cAMP signaling pathway.	<i>Diabetes.</i>	7.27	55	1840	2006
11	Wu X., Zhu L, Mahadev K, Motoshima H, Zilbering A, Yao J, and Goldstein BJ.	Hyperglycemia Potentiates H ₂ O ₂ Production in Adipocytes and Enhances Insulin Signal Transduction: Potential Role for Oxidative Inhibition of Thiol Sensitive Protein-Tyrosine Phosphatases.	<i>Antioxid Redox Signal.</i>	5.28	7	526	2005
12	Hu T, Ramachandra Rao S, Siva S, Valancius C, Zhu Y, Mahadev K, Toh I, Goldstein BJ, Woolkalis M, Sharma K.	Reactive Oxygen Species Production via NADPH oxidase mediates TGF-beta Induced Cytoskeletal Alterations in Endothelial Cell.	<i>Am J Physiol Renal Physiol.</i>	3.28	289	816.	2005
13.	Goldstein BJ, Mahadev K, and Wu X.	Redox Paradox: Insulin Action is Facilitated by Insulin-Stimulated Reactive Oxygen Species with Multiple Potential Signaling Targets.	<i>Diabetes</i>	7.27	54	311	2005

14.	Goldstein BJ, Mahadev K, and Wu X, Zhu L, Motoshima H.	Role of Insulin-Induced Reactive Oxygen Species in the Insulin Signaling Pathway.	<i>Antioxid Redox Signal.</i>	5.82	7	1021	2005
15	Mahadev K, Motoshima H, Wu X, Cheng G, Lambeth JD, Goldstein BJ.	The NADPH Oxidase Homolog Nox4 Modulates Insulin-Stimulated Generation of H ₂ O ₂ and Plays an Integral Role in Insulin Signal Transduction.	<i>Molecular and Cellular Biology</i> 2004, 24: 1844-1854.	3.81	24	1844	2004
16	Mahadev K, Wu X., Motoshima H, and Goldstein BJ.	Integration of Multiple downstream Signals Determines the Net Effect of Insulin on MAPK vs. PI 3'-Kinase. Activation: Potential Role of Insulin- Stimulated H ₂ O ₂ .	<i>Cell Signalling</i>	3.93	16	323	2004
17	Motoshima H, Wu X, Mahadev K, Goldstein BJ.	Adiponectin suppresses proliferation and superoxide generation and enhances eNOS activity in endothelial cells treated with oxidized LDL.	<i>Biochemical and Biophysical Research Communications</i>	2.55	315	264	2004
18	Wu X, Motoshima H, Mahadev K, Stalker TJ, Scalia R, Goldstein BJ.	Involvement of AMP- activated protein kinase in glucose uptake stimulated by adiponectin in primary rat adipocytes.	<i>Diabetes</i>	7.27	52	1355	2003
19	Wu X, Hardy VE, Joseph JI, Jabbour S, Mahadev K, Zhu L, Goldstein BJ.	Protein-tyrosine phosphatase activity in human adipocytes is strongly correlated with insulin-stimulated glucose uptake and is a target of insulin-induced oxidative	<i>Metabolism.</i>	5.96	52	705	2003

		inhibition.					
20	Mahadev K., Raval G, Bharadwaj S, Willingham MC, Lange EM, Vonderhaar B, Salomon D, Prasad GL.	Suppression of the transformed phenotype of breast cancer by tropomyosin-1.	<i>Experimental Cell Research</i>	3.24	279	40	2002
21	Mahadev K, Wu X, Zilbering A, Zhu L, Lawrence T, Goldstein BJ.	Hydrogen peroxide generated during cellular insulin stimulation is integral to activation of the insulin signaling cascade in 3T3-L1 adipocytes.	<i>Journal of Biological Chemistry</i>	4.00	276	48662	2001
22	Mahadev K, Zilbering A, Zhu L, Goldstein BJ.	Insulin-stimulated generation of hydrogen peroxide reversibly inhibits PTP1B and enhances the early insulin action cascade.	<i>Journal of Biological Chemistry</i>	4.00	276	21938	2001
23	Zhu L, Zilbering A, Wu X, Mahadev K, Joseph JJ, Jabbour S, Deeb W, Goldstein B J.	Use of an anaerobic environment to preserve the endogenous activity of protein- tyrosine phosphatases isolated from intact cells.	<i>FASEB J.</i>	5.49	15	1637	2001
24	Mahadev K, Chetty SC, Vemuri MC.	Effect of prenatal and postnatal ethanol exposure onCa ²⁺ /calmodulin- dependent protein kinase II in rat cerebral cortex.	<i>Alcohol.</i>	2.0	23	183	2001
25	Mahadev K and Vemuri MC.	Effect of pre and postnatal ethanol exposure on protein tyrosine kinase and its endogenous substrate proteins in rat cerebral	<i>Alcohol.</i>	2.0	17	223	1999

		cortex.					
26	Mahadev K and Vemuri, MC.	Selective changes in Protein kinase C isoforms and phosphorylation of endogenous substrate proteins in rat cerebral cortex during pre- and postnatal ethanol exposure.	<i>Archives of Biochemistry & Biophysics.</i>	3.0	356	249	1998
27	Mahadev K and Vemuri MC.	Effect of ethanol on chromatin and non-histone nuclear proteins in rat brain.	<i>Neurochemical Research</i>	2.15	23	1179	1998
28	Mahadev K and Vemuri MC.	Ethanol induced changes in hepatic chromatin and non-histone nuclear protein composition in rat.	<i>Alcohol.</i>	2.0	15	207	1998

11. Detail of patents: Nil

12. Books/Reports/Chapters/General articles etc.: 1 - Book Chapter

S.No.	Title	Author's Name	Publisher	Year of Publications
1.	<i>Insulin-Stimulated Reactive Oxygen Species and Insulin Signal Transduction..</i>	Goldstein BJ, Mahadev K, Wu XD.	<i>Boca Raton, FL: Taylor and Francis</i>	2007

Goldstein BJ, **Mahadev K**, Wu XD. Insulin-Stimulated Reactive Oxygen Species and Insulin Signal Transduction. In: Packer L, Sies H, eds. *Oxidative Stress and Inflammatory Mechanisms in Obesity, Diabetes, and the Metabolic Syndrome*. pp 178-187. Boca Raton, FL: Taylor and Francis, 2007.

13. Any other Information:

I have been working in the field of Diabetes, Obesity and Metabolic Disorders since 18 years. Through this period, I have spearheaded to find some of the new exciting research outcomes that opened up new avenues in the field of diabetes, insulin signaling and metabolic disorders. During this period of my research career, I have published peer reviewed articles in

journals such as Diabetes, Molecular and Cellular Biology, Journal of Biological Chemistry, FASEB Journal, Experimental Cell Research, Journal of Clinical Investigation etc. **All these publications have been cited nearly 5000 times so far.**

Highlights of my accomplishments in the field.

- Discovered that Perilipin, a lipid droplet protein can distinguish between simple Liver Steatosis (**NAFLD**) and Non-Acoholic Steatohepatitis (**NASH**) in Adults and Children.
- Discovered that insulin generated oxidant signal enhances insulin sensitivity in Type 2 diabetes and other clinical states of insulin resistance
- Identified for the first time that insulin stimulated ROS reversibly inhibits protein tyrosine phosphatases, PTP1B, and established a new technique for live cell imaging of ROS. (Mahadev et al., 2001a, JBC. 276: 21938-21942. **(Cited so far 532 times)**; Mahadev et al., 2001b, JBC. 276: 48662-48669. **(Cited so far 311 times)**).
- Discovered and characterized a novel protein NADPH Oxidase 4 in insulin sensitive cells that opened up new avenues for enhancing insulin sensitivity in Type 2 diabetes and clinical states of insulin resistance. (Mahadev et al, 2004, MCB, 24: 1844-1854. **(Cited so far 522 times)**).
- Demonstrated that restoration of cytoskeletal protein tropomyosin-1 expression in breast cancer cells stabilizes adherent junctions and that contributes to anti-oncogenic properties of this protein. (Mahadev et al., 2002, Experimental Cell Research, 279: 40-51.

<https://scholar.google.co.in/citations?user=tuX2VKYAAAAJ&hl=en&oi=ao>

Total Peer-reviewed publications	29
Book Chapter :	01
Research Papers:	26
Research Abstracts:	34
General articles/Reviews:	02
Total Citations:	4859
h-index	23
i10 index	26

INVITED TALKS

1. Discovery of Novel Signaling Pathways by Insulin and Adiponectin. University of

Hyderabad, India 2008.

2. The NADPH Oxidase Homolog Nox4 Modulates Insulin-Stimulated Generation of H₂O₂ and Plays an Integral Role in Insulin Signal Transduction. Thomas Jefferson University, Philadelphia. 2005.

FULL PAPERS IN CONFERENCE PROCEEDINGS

1. Zhang SX, Li J, **Mahadev K**, Goldstein BJ, Wang JJ. ER Stress Induced by Reactive Oxygen Species Mediates Retinal Inflammation in Diabetic Retinopathy. American Diabetes Association Annual Mtg, 2009. New Orleans, LA.
2. Wu X, **Mahadev K**, Shaw AM, Goldstein BJ. The NADPH Oxidase Homolog Nox4 Mediates Thiol Oxidation of Specific Cellular Proteins by Insulin-induced Reactive Oxygen Species (ROS). American Diabetes Association Annual Mtg, June 2008. San Francisco, CA.
3. Lancel S, Weinberg EO, Valsky E, (1), Jeong MY, Farukhi Z, Pimentel DR, **Mahadev K**, Goldstein BJ, Pagano PJ, Siwik DJ, Colucci WS. NADPH Oxidase 2 is Responsible for Alpha1-Adrenergic Receptor Dependent Reactive Oxygen Species Production in Adult Rat Ventricular Myocytes. American Heart Association Meeting Nov. 2007, Chicaco, IL.
4. Wu XD, Shaw MA, Patel V, **Mahadev K**, Hu C, Goldstein BJ. alpha-enolase, identified by a thiol proteome screen, is a novel cellular target of insulin-induced reactive oxygen species (ROS) that undergoes insulin-stimulated translocation to the plasma membrane. American Diabetes Association Annual Mtg, June 2007. Chicago, IL.
5. **Mahadev K**, Ouedraogo R, Wu XD, Eckhart AD, Goldstein BJ. Adiponectin suppresses VEGF-induced endothelial cell migration via a cAMP/PKA signaling pathway. American Diabetes Association Annual Mtg, June 2007. Chicago, IL.
6. Ouedraogo R, Berzins B, Wu XD, **Mahadev K**, Chan L, Hendrson K, Goldstein BJ, Scalia R. Anti-inflammatory effects of adiponectin on leukocyte-endothelium interactions in vivo are mediated by enhanced nitric oxide bioavailability and suppression of endothelial cell adhesion molecule expression. American Diabetes Association Annual Mtg, June 2007. Chicago, IL.
7. Xu SQ, **Mahadev K**, Wu X, Fuchsel L, Donnelly S, Goldstein BJ. Adiponectin protects against angiotensin (Ang) II- or tumor necrosis factor (TNF) alpha-induced endothelial monolayer permeability via cAMP/PKA signaling. American Diabetes Association Annual Mtg, June 2007. Chicago, IL.
8. Ouedraogo R, Hough K, **Mahadev K**, Wu XD, Gong YL, Chan L, Scalia R, Goldstein BJ. Leukocyte-endothelial interactions are increased in the mesenteric microvasculature of live mice deficient in adiponectin. American Diabetes Association Annual Mtg, June 2006. Washington D.C
9. **Mahadev K**, Ruffolo S, Wu XD, Ouedraogo R, Kennedy BP, Goldstein BJ. Protein-tyrosine phosphatase 1B (PTP1B), a target of cellular oxidative inhibition following

- insulin stimulation, interacts with the NADPH oxidase homolog Nox4. American Diabetes Association Annual Mtg, June 2006. Washington D.C
10. Wu XD, Fuchsel L, Ouedraogo R, **Mahadev K**, Xu SQ, Goldstein BJ. Adiponectin suppresses I κ B kinase (IKK beta) activation in endothelial cells via PKA and AMPK signaling. American Diabetes Association Annual Mtg, June 2006. Washington D.C
 11. Hu TS, RamachandraRao SP, Siva S, Valancius C, Zhu YQ, **Mahadev K**, Toh I, Goldstein BJ, Woolkalis M, Sharma K. Reactive oxygen species production via NADPH oxidase mediates TGF-beta induced cytoskeletal alterations in endothelial cells. American Journal of Physiology-Renal Physiology 289 (4): F816-F825 OCT 2005.
 12. Ouedraogo R, Motoshima H, **Mahadev K**, Wu X, Hough K, Scalia R, Goldstein BJ. Adiponectin suppression of high glucose-induced superoxide generation in vascular endothelial cells: Evidence for involvement of a cAMP signaling pathway. American Diabetes Association Annual Mtg, June 2005, San Diego, CA.
 13. Wu XD, **Mahadev K**, Ouedraogo R, Hough K, Goldstein BJ. I κ B kinase (IKK beta) is a signaling target of insulin & globular adiponectin: Potential role in cytokine-induced insulin resistance. American Diabetes Association Annual Mtg, June 2005, San Diego, CA.
 14. **Mahadev K**, Motoshima H, Wu XD, Hough K, Yaakovian M, Lambeth JD, Goldstein BJ. Subcellular Co-localization and Functional Coupling Supports a Role for the NAD(P)H Oxidase Homolog Nox4 in the Regulation of PTP1B Catalytic Activity via Insulin-Stimulated H₂O₂. American Diabetes Association Annual Mtg, June 2004, Orlando, FL.
 15. Motoshima H, Wu XD, **Mahadev K**, Hough K, Ouedraogo R, Goldstein BJ. Recombinant Globular Adiponectin Inhibits Oxidized LDL-induced Endothelial Cell Proliferation, Superoxide Generation and the Oxidation of Native LDL. American Diabetes Association Annual Mtg, June 2004, Orlando, FL.
 16. Wu XD, Zhu L, **Mahadev K**, Motoshima H, Zilbering A, Goldstein BJ. Increased Oxidant Generation and Protein-Tyrosine Phosphatase (PTPase) Inhibition by High Glucose Differentially Enhances Insulin Signaling in 3T3-L1 vs. Primary Rat Adipocytes Due to Inhibitory Effects of Protein Kinase C (PKC). American Diabetes Association Annual Mtg, June 2004, Orlando, FL.
 17. **Mahadev K**, Motoshima H, Wu XD, Ruddy JM, Arnold RS, Cheng G, Lambeth JD, Goldstein BJ. Nox4 Modulates Insulin-Stimulated Generation of H₂O₂ and Plays an Integral Role in Insulin Signal Transduction. Second International Conference on NADPH Oxidases (Nox II), March, 2004, Atlanta, GA.
 18. **Mahadev K**, Motoshima H, Wu XD, Chen GJ, Lambeth JD, Goldstein BJ. Nox4, an NADPH Oxidase Homolog Highly Expressed in Insulin-Sensitive Cells, Modulates Insulin-Stimulated Generation of H₂O₂ and Plays an Integral Role in Insulin Signal Transduction. American Diabetes Association Annual Mtg, June 2003, New Orleans, LA.
 29. Wu XD, Motoshima H, **Mahadev K**, Stalker TJ, Scalia R, Goldstein BJ. Adiponectin Stimulates Glucose Uptake in Primary Rat Adipocytes Via an AMP-activated Protein

- Kinase-Coupled Mechanism. American Diabetes Association Annual Mtg, June 2003, New Orleans, LA.
20. Motoshima H, Wu XD, **Mahadev K**, Goldstein BJ. Adiponectin Stimulates AMP-Activated Protein Kinase in Endothelial Cells and Inhibits Oxidized LDL-Induced Proliferation by Reducing Cellular Superoxide Production. American Diabetes Association Annual Mtg, June 2003, New Orleans, LA.
 21. **Mahadev K**, Wu X, Motoshima H, Goldstein BJ. Integration of Multiple Downstream Signals Determines the Net Effect of Insulin on MAP Kinase vs. PI 3'-Kinase Activation: Potential Role of Insulin-Stimulated H₂O₂. (1318-P) American Diabetes Association Annual Mtg, June 2002, San Francisco, CA.
 22. Zhu L, Zilbering A, Wu X, **Mahadev K**, Motoshima H, Hong S, Yao J, Goldstein BJ. Hyperglycemia Potentiates Insulin-Stimulated H₂O₂ Production and Enhances the Oxidative Inhibition of Thiol-Sensitive Protein-Tyrosine Phosphatases. (1878-P) American Diabetes Association Annual Mtg, June 2002, San Francisco, CA.
 23. Wu X, Hardy VE, Joseph JI, Jabbour S, **Mahadev K**, Zhu L Goldstein BJ. Endogenous Protein-Tyrosine Phosphatase Activity in Human Adipocytes is Strongly Correlated with Insulin-Stimulated Glucose Uptake and is a Target of Insulin-Induced Oxidative Inhibition. (1248-P) American Diabetes Association Annual Mtg, June 2002, San Francisco, CA.
 24. **Mahadev K**, Zilbering A, Zhu L, Goldstein BJ. Insulin-Stimulated Generation of Hydrogen Peroxide Reversibly Inhibits PTP1B *in vivo* and Enhances the Early Insulin Action Cascade. American Diabetes Association Annual Mtg, June 2001, Philadelphia, PA.
 25. Zhu L, Zilbering A, Wu X, **Mahadev K**, Joseph JI, Jabbour A, Deeb W, Goldstein BJ. Use of an Anaerobic Environment Preserves the Endogenous Activity of Protein-Tyrosine Phosphatases Isolated from Insulin-Sensitive Cells. American Diabetes Association Annual Mtg, June 2001, Philadelphia, PA.
 26. **Mahadev K**, James G. Caya, Barbara K. Vonderhaar and G. L. Prasad Tropomyosin-1 is a tumor suppressor and a marker of breast cancer. Thirty-Ninth Annual Meeting of the American Society for Cell Biology Dec. 11-15, 1999. Washington, DC.
 27. **Mahadev K**. Chellu S. Chetty and Vemuri MC. Activation of Ca²⁺/Calmodulin-dependent Protein Kinase II in Experimental FAS. The 1999 FASEB Summer Conference on Protein Kinases and Phosphorylation" July 24-29, 1999 at Snowmass Colorado, USA.
 28. Participated in 1996/IBRO/UNESCO/FAONS International Intensive workshop in Neuroscience Sep. 29 - Oct. 19, 1996. Mahidol University Salaya. Thailand.
 29. Participated in Ist National Conference on "Lai Tai" or Sudden Unexplained Nocturnal Death Syndrome (SUNDS). Oct. 14 - 15, 1996. Salaya, Thailand.
 30. Participated in 12th International Neuroscience Symposium on Frontiers of Neurosciences in the 21st Century. Oct. 16 - 19, 1996. Salaya, Thailand.
 31. Participated in Ist Federation of Asian Oceanian Neuroscience Society Congress and Ist IBRO Regional Congress: Neuroscience in Asia and Oceania Towards the 21st Century. Oct. 20-23, 1996. Pattaya, Thailand.
 32. **Mahadev K** and Vemuri MC. Ethanol induced alterations in the nuclear proteins of rat brain. (IBRO Congress supplement). Fourth International Brain Research Organization (IBRO) World Congress on Neurosciences July 9-14, 1995 Kyoto, Japan.

33. **Mahadev K** and Vemuri MC. Ethanol derived free radicals and changes in chromatin: Implications in alcohol related cancer risk. "Second Biennial Meeting of the Asian Pacific Society for Neuroscience" Sep. 13-16, 1994 at University of Hyderabad, Hyderabad, India. Journal of Neurochemistry: 63: S 19A.