# CURRICULUM VITAE

**Deepak Chandra, Ph.D.**

***Professor*** in Biotechnology

***Department of Biochemistry,***

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**EDUCATION / ACADEMICS:**

**1982,** **High School** or 10th standard ( I division) U.P. Board Allahabad, U.P., India

**1984**, **Intermediate** or 12th standard( I division) U.P. Board Allahabad, U.P., India

**1987, B. Sc.** ( I division) Gorakhpur University, U.P. India.

**1989, M. Sc.** ( I division) in **Biochemistry** from Lucknow University, Lucknow, U.P., India.

**1989,** **C.S.I.R.-NET** examination in Life Sciences

**1997**, **Ph. D.** thesis entitled “***Biochemical and immunochemical studies on lactate dehydrogenase of malarial parasite***” from Dr. R.M.L. Avadh University, Faizabad, U.P., India work done at **Central Drug Research Institute**, Lucknow, U.P., India.

**2000-2002, Post Doctoral fellowship** at **University of Texas Medical Branch, Galveston, TX, USA** on project entitled ***“Secondary Complications of Diabetes”***.

**Present Position: *Professor in Biotechnology***, Department of Biochemistry, University of Lucknow, Lucknow, U.P., India, **since 06-01-2009**.

 **Positions Held: Asoociate Professor in Biotechnology, (6th Jan. 2006 – 5th Jan 2009) Dept. Of Biochemistry, Lucknow University**

***Reader* (Oct 2005-Jan 2006)** at Dept. of Biochemistry, Lucknow University,

June, 2004 - sept., 2005 under CAS; reader scale from jan. 2003) ***& Lecturer*** (6 jan.,1994 – may, 2004), at Department of biochemistry, Dr. R.M.L. Avadh University, Faizabad, U.P., India.

**Additional assignments: Head, Dept. Of Biochemistry, Lucknow University (since 30-3-2016 to 23-3-2019)**

**Director / Coordinator, Institute of Food Processing & Technology** at ONGC Centre for Advance Studies, Lucknow University, Lucknow, U.P., India, **since 2017**

**Research experience:** >**30 Years**

**Teaching Experience : >25 Years**

**Awards / fellowships (*Doctoral & Postdoctoral*):**

1. **Postdoctoral fellowship** at ***University of Texas Medical Branch at Galveston, Texas, USA***, from **May, 2000 to May, 2002.**
2. **Senior Research Fellowship** of Council of Scientific & Industrial Research **(CSIR)**, New Delhi at ***Central Drug Research Institute, Lucknow, U.P., India*** from September 1,1991 to January 5,1994.
3. **Junior Research Fellowship** of Council of Scientific & Industrial Research **(CSIR)**, New Delhi at ***Central Drug Research Institute, Lucknow, U.P., India*** from September 1,1989 to August 30,1991.

**Research Areas / Interests:**

1. **Parasitic Diseases:** Malaria (Immunodiagnosis of Malaria) and Leishmania.
2. **Biochemistry** of ***Diabetes***: Role of Aldose Reductase and proteases in diabetic secondary complications and their physiological regulation. Translational medicine: anti-diabeic and immunomodulatory effect of phytochemicals; *in vivo*, *in vitro* & in silico validation
3. **Cell Biology** – Role of AR in mitogenic & apoptotic signaling in VSMC & VEC (**Atherosclerosis**), *In vivo* & *in vitro* protection of diabetes and oxidative stress.
4. **Immunology** - Immunology of malaria (Immunodiagnostics) and immunomodulatory effects of pesticides and their abatement by natural herbs.
5. Enzymology & Protein Chemistry, Parasite (Malaria) Biochemistry.
6. **Cancer Biology –** Novel markers (MIC-1) in detection of Prostate Cancer
7. **Plant Biochemistry –** Studies on secondary metabolites through genetic engineering.

**Research Guidance:**

1. Supervised 20 M.Sc. dissertations on different aspect of biochemistry and biotechnology.

2. Supervised / supervising **13** Ph.D. students.

a) **Awarded:** 11,

b) Submitted 00

c) **Enrolled: 02**

3. Post doctoral guidance 03 (DS Kothari Fellow, DST Young Scientist)

**Membership of the learned societies:**

1. Association for Research in Vision and Ophthalmology, (ARVO), USA.
2. American Association For The Advancement Of Science, USA.
3. Society of Biological Chemists, India. *(Life member)*
4. Indian Science Congress, India. *(Life member)*
5. Alumni Association of Department of Biochemistry, Lucknow University, Lucknow. *(Life member)*
6. Society of Toxicology, India. *(Life member)*

Publications

* **Full papers: 42(International: 29 National: 13)**
* **Papers presented in conferences: 58**
* **Patents: 04**

**Total citation: 1919 ; h-index: 17**

**List of Publications:**

**(Research papers, book chapters, patents & papers presented)**

**Research Papers (Published)**

1. Khadija Ansari and **Deepak Chandra,** Effect of hyperglycemia on immune function **(2018), Adv. In Biotech. And Microbiol.** . 10(4), 1-6 (ISSN 2474-7637)
2. [Agarwal AV](https://www.ncbi.nlm.nih.gov/pubmed/?term=Agarwal%20AV%5BAuthor%5D&cauthor=true&cauthor_uid=29165715), [Singh D](https://www.ncbi.nlm.nih.gov/pubmed/?term=Singh%20D%5BAuthor%5D&cauthor=true&cauthor_uid=29165715) [Dhar YV](https://www.ncbi.nlm.nih.gov/pubmed/?term=Dhar%20YV%5BAuthor%5D&cauthor=true&cauthor_uid=29165715), [Michael R](https://www.ncbi.nlm.nih.gov/pubmed/?term=Michael%20R%5BAuthor%5D&cauthor=true&cauthor_uid=29165715), [Gupta P](https://www.ncbi.nlm.nih.gov/pubmed/?term=Gupta%20P%5BAuthor%5D&cauthor=true&cauthor_uid=29165715), **Deepak** [**Chandra**](https://www.ncbi.nlm.nih.gov/pubmed/?term=Chandra%20D%5BAuthor%5D&cauthor=true&cauthor_uid=29165715) , [Trivedi PK](https://www.ncbi.nlm.nih.gov/pubmed/?term=Trivedi%20PK%5BAuthor%5D&cauthor=true&cauthor_uid=29165715).Virus-Induced Silencing of Key Genes Leads to Differential Impact on Withanolide Biosynthesis in the Medicinal Plant, Withania somnifera**.** **(2018)**. [**Plant Cell Physiol.**](https://www.ncbi.nlm.nih.gov/pubmed/29165715) 1;59 (2):262-274.
3. [Navneeta Bansal](https://www.nature.com/articles/s41598-017-17207-2#auth-1), [Deepak Kumar](https://www.nature.com/articles/s41598-017-17207-2#auth-2), [Ashish Gupta](https://www.nature.com/articles/s41598-017-17207-2#auth-3), [**Deepak Chandra**](https://www.nature.com/articles/s41598-017-17207-2#auth-4), [Satya Narain Sankhwar](https://www.nature.com/articles/s41598-017-17207-2#auth-5) & [Anil Mandhani](https://www.nature.com/articles/s41598-017-17207-2#auth-6).Relevance of MIC-1 in the Era of PSA as a Serum Based Predictor of Prostate Cancer: A Critical Evaluation**.(2017)** **Scientific reports, 7: 1-8.**
4. A.V. Agarwal, P. Gupta , D. Singh , Y.V. Dhar, **Deepak Chandra** , P.K.Trivedi Comprehensive assessment of the genes involved in withanolide biosynthesis from *withania* somnifera: chemotype- specific and elicitor-responsive expression. **(2017)**, **Funct. Integr. Genomics, 17(4), 477-490.**
5. A. Srivastava and **Deepak Chandra** , Alkaloids and Leishmania donovani UGM: A novel approach in drug designing against visceral Leishmaniasis, **(2017), , Infectious Disorders Drug Targets** (doi Number: 10.2174/1871526517666170606104003.
6. J K Nag, D. Chahar, N. Srivastava, C. L. Gupta, P. Bajpai, **Deepak. Chandra**, and S. Misra-Bhattacharya Functional attributes of evolutionary conserved Arg45 of Wolbachia (Brugia malayi) translation initiation factor -1, **(2016)**,. **Future Microbiology,** 11 (2)**,** 195-214.
7. I. H. Sheikh, D. C. kaushal, **Deepak Chandra**, N. A. Kaushal. Immunogenicity of a plasmid DNA vaccine encoding 42 kDa fragment of *plasmodium vivax* merozoite surface protein-1, **(2016), Acta Tropica**. 162, 66-74.
8. **),** A. Srivastava, R.K. Singh and **Deepak Chandra** Homology model of Leishmania donovani UDP-galactopyranose mutase binds antifungal compounds in silico, **(2015). Int. J. for Res. In Applied Science Engineering & Technology,** vol 3 (7) , 523-531 **(**ISSN : 2321-9653)
9. I.H. Sheukh, D.C. Kaushal, V. Singh, N. Kumar, **Deepak Chandra** & N.A. Kaushal ,Cloning, overexpression and characterization of soluble 42 kDa fragment of merozoite surface protein-1 of Plasmodium vivax. **(2014)**, , **(2014),**  **Protein expression and purification** , vol. 103, 64-74.
10. S. Srivastava and **Deepak Chandra**, Pharmacological potentials of *Syzygium cumini* : A review **(2013), , Journal of the Science of Food & Agriculture, 93**: 2084–2093
11. S.K. Sharma, The Su Moe, R. Srivastava, **Deepak Chandra,** B.S. Srivastava, Functional characterization of VC1929 of Vibrio cholera E1 Tor: role in mannose sensitive haemagglutination, virulence and utilization of sialic acid. **(2011)**, **Microbiology, 157** (pt 11), 3180-3186
12. V. Singh. **Deepak Chandra**, B.S. Srivastava and R. Srivastava, ( 2011), Down regulation of Rv0189c, encoding a dihydroxyacid dehydratase, affects growth of *Mycobacterium tuberculosis* *in vitro* and in mice, **Microbiology,** 157, 38-46
13. V. Singh. **Deepak Chandra**, B.S. Srivastava and R. Srivastava, (2011), Biochemical and transcription analysis of acetohydroxyacid synthase isoforms in *Mycobacterium tuberculosis* identifies these enzymes as potential target for drug development. **Microbiology,** 157, 29-37
14. **Deepak Chandra**, UN Tripathi, S. Srivastava and A. Swaroop (2011), Carbofuran induced biochemical toxicity in mice: protective role of *Momordica charantia*. **Eu. J. Exp. Biol. , 1(1), 106-112**
15. A. Kumar, A.K. Singh. A.K. Gautam, **Deepak Chandra**, D. Singh, B. Changkija , M.P. Singh and R. Trivedi, (2010), Identification of kaempferol-regulated proteins in rat calvarial osteoblast during mineralization by proteomics. **Proteomics,**  10, 1730-1739
16. U.N. Tripathi and **Deepak Chandra** (2010), Anti-hyperglycemic and anti-oxidative effect of aqueous extract of *Momordica charantia* pulp and *Trigonella foenum graecum* seed in alloxan induced diabetic rats. **Ind. J. Biochem. Biophys**., 47, 227-233
17. U N Tripathi and **Deepak Chandra** *(2009)* Diabetes induced oxidative stress: A comparative study on protective role of *Momordica charantia* and metformin. ***Pharmacognocy Research*** 1(5), 299-306.
18. Uma Nath Tripathi and **Deepak Chandra. (2009),**The plant extracts of *Momordica charantia* and *Trigonella foenum graecum* have anti-oxidant and anti-hyperglycemic properties for cardiac tissue during diabetes mellitus . ***Oxidative medicine and cellular longevity***2 (5), 390-396.
19. M.A. Siddiqui, G. Singh, M.P. Kashyap, V.K. Khanna, S. Yadav, **Deepak Chandra**, Pant A.B, **(2008),**Influence of cytotoxic doses of 4-hydroxynonenal on selected neurotransmitter receptors in PC-12 cells, ***Toxicology In Vitro*, 22(7), 1681-1688**
20. M.A. Siddiqui, V.K. Khanna, G. Singh, M.P. Kashyap, S. Yadav, **Deepak Chandra**, Pant A.B **(2007),**Cytotoxic effects of 4-Hydroxynonenal in PC-12 cells: involvement of neurotransmitter receptors, (2007), , ***Annals of Neurosciences*, 14, 85-91**
21. Oxidative stress mediated cellular responses in 4-hydroxynonenal exposed PC12 cells (2007), M.A. Siddiqui, V.K. Khanna, M.P. Kashyap, S. Yadav, **Deepak Chandra**, Pant A.B., ***Ecophysiology and Occupational Health*, 12, 97-109**
22. Pharmacological potential of Trigonella foenum-graecum (methi) : a review, (2007), U.N. Tripathi, F.Jamal and **Deepak Chandra**, ***Nat. J. Life Science*, 4(2), 205-207**
23. Carbofuran induced biochemical toxicity in mammalian system, (2006), A. Swaroop, A. Mishra and **Deepak Chandra,** ***Nat. J. Life Sciences***, **2, 423-436**
24. Regulation of lens aldose reductase activity by nitric oxide. (2005), S. Srivastava, R. Tammali, **Deepak Chandra,** D. A. Greer, KV Ramana, A. Bhatnagar and SK Srivastava, ***Experimental Eye Res***, **86(6),** 664-672.
25. Oxidative stress induced up-regulation of the chloride channel and Na+/ Ca++ exchangers during cataractogenesis in diabetic rats. (2004), Ramana, K.V., **Deepak Chandra,** Wills, N.K., Christensen B.N. and Srivastava, S. K., ***J.* *Diabetes & its complications*** , **18,** 177-182
26. Nitric oxide regulates polyol pathway of glucose metabolism in vascular smooth muscle cells., (2003), Ramana, K.V., **Deepak** **Chandra,** Bhatnagar, A. and Srivastava, S. K  ***FASEB J.***, **17 (3),** 417-425.
27. Role of Aldose Reductase in TNF-alpha Induced Apoptosis of Vascular Endothelial Cells,(2003)**, Deepak Chandra,**Ramana, KV, Friedrich, B, Srivastava, S, Bhatnagar, A and Srivastava, SK. ***Chemico Biological Interactions*., 143-144,** 605-612.
28. Aldose reductase is required to mediate mitogenic signals of cytokines, (2003), Ramana K.V.,**Deepak Chandra,** Srivastava S., Bhatnagar, A and Srivastava, S.K., ***Chemico Biological Interactions***. **143-144**, 587-596.
29. Regulation of Aldose Reductase and the Polyol Pathway Activity by Nitric Oxide. (2003), Srivastava, SK, Ramana, KV, **Deepak Chandra,** Srivastava, S andBhatnagar, A., ***Chemico-Biological Interactions***., **143-144,** 333-340.
30. Nitric oxide prevents aldose reductase activation and sorbitol accumulation during diabetes, (2002), **Deepak Chandra,** Jackson, E. jr., Ramana, K.V., Kelly, R., Srivastava, S. K. and Bhatnagar, A., ***Diabetes.*, 51 (10),** 3095-3101.
31. The aminopeptidase inhibitor, bestatin, inhibits fiber cell globulization as well as hyperglycemia-induced opacification of rat lens, (2002), **Deepak Chandra,** Ramana, K.V.,Jackson, E. jr., Christensen, B.N., and Bhatnagar, A. and Srivastava, S. K., ***Invest. Ophthalmol. & Vis. Sci.*** **43,** 2285-2292.
32. Aldose red***s***uctase Mediates Mitogenic Signaling in Vascular Smooth Muscle Cells, (2002), Ramana, K.V., **Deepak** **Chandra,** Bhatnagar, A., Aggarwal, B.B, and Srivastava, S. K., ***J. Biol. Chem****.*, **277 (35),** 32063-32070.
33. Activation of calcium dependent proteases : A biochemical basis of diabetic cataract, (2002), **Deepak Chandra,** In proceedings of 80th orientation programme of UGC-Academic Staff College, Lucknow University, Lucknow.
34. Structural and kinetic modification of aldose reductase by S-nitrosothiols, (2001), Srivastava, S, Dixit, B. L.,Ramana, K. V.,Chandra A., **Deepak** **Chandra**, Zacarias A.,Bhatnagar, A. and Srivastava, S. K***, Biochem J.*, 358 ,**111-118.
35. Metabolic regulation of aldose reductase activity by nitric oxide donors.(2001), Dixit B.L., Ramana K. V., **Deepak Chandra,** Jackson E. B., Srivastava S., Bhatnagar A and Srivastava S. K., ***Chem Biol Interact.* 130-132** ,563-571**.**
36. Solid state fermentation for alkaline protease production by Bacillus spp., (2000), P. Bisaria, N.S. Daramwal, R. Gaur and **Deepak Chandra**, ***In: Microbes: Agriculture, Industry and Environment,*** 49-53.
37. Effect of Tween-80 (polyoxyethylene sorbitan monobate) on free amino acids production by *Humicola gresia*, a thermotolerant fungus, (2000), R. Gaur, N.S. Daramwal, M.K. Gaur and **Deepak Chandra**, ***In: Microbes: Agriculture, Industry and Environment***, 61-63.
38. Immunodiagnosis of malaria based on detection of parasite enzyme, (1995), D.C. Kaushal, N.A. Kaushal, **Deepak Chandra** and R. Palni, ***J. Parasitic Dis***., **19**, 21-24.
39. Monoclonal antibodies against lactate dehydrogenase of *Plasmodium knowlesi*, (1995), D.C. Kaushal, N.A. Kaushal and **Deepak Chandra**, ***Indian J. Exp. Biol.***, **33**, 6-11.
40. Immunological studies on *Plasmodium knowlesi* lactate dehydrogenase, (1994), **Deepak Chandra**, N.A. Kaushal, R. watts, G.P. Dutta and D.C. Kaushal, ***In: Tropical Diseases : Molecular Biology and Control Strategies*** (Eds. Sushil Kumar, A.K. Sen, G.P. Dutta & R.N. Sharma), PID Publishers, New Delhi, India, p-335-344.
41. *Plasmodium knowlesi* : Partial purification and characterization of NADP-Glutamate dehydrogenase, (1994), R. Watts, **Deepak Chandra**, N.A. Kaushal and D.C. Kaushal, ***J. Protozoological Res.,*** **4,** 18-28.

## Book Chapters

1. Morphogenesis, cell culture and cryopreservation (2004), **Deepak Chandra**, R. Sandhir and S. Mehrotra, In: Environmental Microbiology & Biotechnology (Eds. Singh & Dwivedi), New Age International (P) Ltd, Publishers, New Delhi.
2. Degradation of xenobiotics and bioremediation (2004), S. Mehrotra, R. Sandhir and **Deepak Chandra,** In: Environmental Microbiology & Biotechnology (Eds. Singh & Dwivedi), New Age International (P) Ltd, Publishers, New Delhi.

**Patents**

1. A process for preparation of monospecific polyclonal antibodies to malarial lactate dehydrogenase useful for detection of malaria, D.C. Kaushal, **Deepak Chandra**, N.A. Kaushal and G.P. Dutta, Patent application # 991/Del/94 (In India).
2. A dipstick useful for the diagnosis of parasitic diseases like malaria, D.C. Kaushal, N.A. Kaushal and **Deepak Chandra**, Patent application # 992/Del/94 (In India).
3. A process for preparation of Sepharose column containing antibodies to Plasmodial lactate dehydrogenase useful for purification of parasite lactate dehydrogenase, D.C. Kaushal, N.A. Kaushal and **Deepak Chandra**, Patent application # 993/Del/94 (In India).
4. A process for purification of plasmodial lactate dehydrogenase useful for diagnosis and screening of antimalarials, D.C. Kaushal, N.A. Kaushal and **Deepak Chandra**, Patent application # 994/Del/94 (In India).

**Paper Presented in Conferences/Symposis**

1. International Symposium on Innovation on animal science for Food security, Health security and Livelihood organized by Babasaheb Bhimrao Ambedkar University, Lucknow, from 29th Oct to 31st Oct, 2015.
2. National Conference on Science for Society: An interdisciplinary approach, organized by Babasaheb Bhimrao Ambedkar University, Lucknow from 31st Oct-2nd Nov, 2015
3. 103rd Indian Science Congress Association, organized by University of Mysore from 3rd- 7th Jan 2016
4. 26th National congress of Parasitology organiozed by Department of Biochemistry, Banaras Hindu University, from 21-23th Jan 2016.
5. National symposium on Plant biotechnology for crop improvement, 25th -27th Feb 2016 organized by National Botanical Research Institute, Lucknow.
6. Ameliorative effect of *Syzygium cumini* seed and *Pterocarpus marsupium* bark on experimental diabetes and oxidative stress. **Shalini Srivastava**, Uma Nath Tripathi and Deepak Chandra (2011). National Seminar on: Reactive Oxygen Species: Roles in Animal and Plant Biology, 23-24 December. Organized by Department of Biochemistry, University of Lucknow, Lucknow.
7. Role of aldose reductase in mediating secondary complications of diabetes: prevention by purified preparation(s) from *Sygyzium cumini*. Deepak Chandra and **Shalini Srivastava** (2013). International conference on “Advances In Free Radicals, Redox Signaling And Translational Antioxidant Research” & 12th Annual Meeting of the Society for Free Radical Research(SFRR)-India, Jan 30-Feb 01, 2013. Organized by CSIR-Indian Institute Of Toxicology Research (IITR), Lucknow.
8. Anti-diabetic potential of some common Indian medicinal plants. **Shalini Srivastava**, Uma Nath Tripathi and Deepak Chandra (2011). In proceedings of 80th annual meeting of Society of Biological Chemists (India), 12-15 November. Organized by Central Institute of Medicinal and Aromatic Plants (CIMAP), Lucknow.
9. Anti-oxidative potential of *Trigonella foenum graecum* in alloxan induced diabetic and deltamethrin fed rats. Uma Nath Tripathi, **Shalini Srivastava**, and Deepak Chandra (2011). National Seminar on: Reactive Oxygen Species: Roles in Animal and Plant Biology, 23-24 December. Organized by Department of Biochemistry, University of Lucknow, Lucknow.
10. Anti-hyperglycemic and anti-oxidative effect of partially purified peptides(s) from *Momordica charantia* in alloxan induced diabetic rats. Uma Nath Tripathi, **Shalini Srivastava**, and Deepak Chandra (2011). National Seminar on: Reactive Oxygen Species: Roles in Animal and Plant Biology, 23-24 December. Organized by Department of Biochemistry, University of Lucknow, Lucknow.
11. Evaluation of anti-hyperglycemic and anti-oxidative potentials of *Syzygium cumini* and *Pterocarpus marsupium* in experimental diabetes. **Shalini Srivastava**, Uma Nath Tripathi and Deepak Chandra (2011). 22nd All India Congress of Zoology & National Seminar on Recent Advances in Biological Sciences: Biodiversity and Human Welfare, 29-31 December. Organized by Department of Zoology, University of Lucknow, Lucknow.
12. Anti-hyperglycemic and anti-oxidative properties of *Syzygium cumini* and *Pterocarpus marsupium*. **Shalini Srivastava** and Deepak Chandra (2012). 11thAnnual Conference of Society of Free Radical Research (SFRR)- India & International Conference on “Emerging Trends in Free Radicals, Antioxidants and nutraceuticals on Health, Disease and Radiation Biology”, 12-14 January. Organized by University of Kolkata, Kolkata.
13. *Sygyzium cumini* seed extract reduces oxidative stress induced damage in heart and liver tissues of diabetic rats. **Shalini Srivastava** and Deepak Chandra (2013). International conference on “Advances In Free Radicals, Redox Signaling And Translational Antioxidant Research” & 12th Annual Meeting of the Society for Free Radical Research(SFRR)-India, Jan 30-Feb 01. Organized by CSIR-Indian Institute Of Toxicology Research (IITR), Lucknow.
14. Immonumodulatory activity of *Syzygium cumini* and *Pterocarpus marsupium*. **Shalini Srivastava** and Deepak Chandra (2013). National Seminar on Stress, Development and Adaptation: Biochemical Basis and Biotechnological Approaches, 15-16 March. Organized by Department of Biochemistry, University of Lucknow, Lucknow.
15. Carbofuran induced toxicity in mice: Protective role of *Momordica charantia*. Uma Nath Tripathi and **Deepak Chandra** (2009) National Symposium on Biodiversity Conservation & Environmental Biotechnology (NSBCEB ‘09) on 27–28 Nov. 2009. Organized by Department of Biotechnology, Sobhasaria Engineering College, Sikar, Rajasthan.
16. A Comparative study on anti-hyperglycemic and anti-oxidative potential of aqueous extract of *Trigonella foenum graecum* and metformin in alloxan induced diabetic rats. Uma Nath Tripathi and **Deepak Chandra** (2009). 2nd International Conference on Bio-wealth Management for Sustainable Livelihood (ICBMSL-2009) on 20-22 Nov. 2009 organized by MSET-ICCB, Ranchi, Jharkhand.
17. A Comparative study on anti-hyperglycemic and anti-oxidative potential of aqueous extract of *Momordica charantia* and metformin in alloxan induced diabetic rats. (Poster),Uma Nath Tripathi and **Deepak Chandra** (2009). National seminar on biotechnology and microbiology in human welfare: The Indian scenario on 26-27 sep 2009. Organized by Dept of science, Modi Institute of Technology and Science, Sikar, Rajasthan.
18. Anti-hyperglycemic and antioxidant effects of *Momordica charantia* and *Trigonella foenum-graecum* in alloxan induced diabetic rats (2009), U.N. Tripathi & **Deepak Chandra**, In proceedings of International conference on “Advances in free radical research: natural products, antioxidants & 8th annual meeting of society of free radical research, India, Organized by CSM Medical college, Lucknow (19-21 Mar., 2009)
19. Identification of a novel aminopeptidase from rat and bovine lenses : its role in diabetic cataractogenesis (2007), **Deepak Chandra** and S.K. Srivastava, In proceedings of III symposium on current advances in molecular biochemistry: health, environment and agriculture, Dec. 28-30, 2007 at Dept. of Biochemistry, Lucknow University, Lucknow.
20. Carbofuran induced immunotoxicity in mammalian system and its abatement by ascorbic acid (2007), A. Swaroop, A. Mishra, U.N. Tripathi and **Deepak Chandra**, In proceedings of III symposium on current advances in molecular biochemistry: health, environment and agriculture, Dec. 28-30, 2007 at Dept. of Biochemistry, Lucknow University, Lucknow.
21. Cloning, expression and purification of acetohydroxyacid synthase (AHAS) genes of *M. tuberculosis H37Rv* (2007), V. Singh,  **Deepak Chandra** and R. Srivastava, In proceedings of III symposium on current advances in molecular biochemistry: health, environment and agriculture, Dec. 28-30, 2007 at Dept. of Biochemistry, Lucknow University, Lucknow.
22. Immunotoxicity of carbofuran in mammalian system (2006), Swaroop A. and **Deepak Chandra**, In proceedings of National Symposium on issues and challenges for environmental management: vision 2025, 17-19 Feb., 2006, at B.B. Ambedkar University, Lucknow, India. (x)
23. Biochemistry of diabetic cataractogenesis (2006), **Deepak Chandra**, In proceedings of symposium on Emerging trends in Biochemistry, 9-10 Feb. 2006, at Dept. of Biochemistry, Panjab University, Chandigarh, India.
24. Toxicity profile of 4-hydroxynonenal (HNE) in PC-12 cells, a rat pheochromocytoma (2005), Siddiqui M.A., Agarwal A.K., Singh G, Khanna V.K., **Deepak Chandra** and Pant A.B., In proceedings of XXIII Annual Meeting of Indian Academy of Neurosciences (symposium on Emerging Trends in Neurosciences), 11-14 December, at National Institute of Mental Health & Neuroscience, Bangalore, India.
25. Cytotoxicity assessment of 4-hydroxynonenal (HNE) in PC-12 cells, a rat phechromocytoma (2005), Siddiqui M.A., Agarwal A.K., Singh G, Khanna V.K., **Deepak Chandra** and Pant A.B., In proceedings of International Conference on Toxicology, Environment & Occupational Health, 14-17 Nov., at Industrial Toxicology Research Centre, Lucknow, India.
26. A biochemical basis of development of diabetic cataract : Role of proteases (2005), **Deepak Chandra,** In proceedings of national seminar on New Horizons in Life Sciences, 2nd – 3rd September, 2005, at Govt. P.G. College, Narsinghpur, India. (x)
27. Biochemistry of development of diabetic cataract (2005), **Deepak Chandra** and S.K. Srivastava, In proceedings of national symposium on Recent Advances in Science: A prospective, 4th June, 2005, at Dolphin (PG) Inst. Of Biomedical & Natural Sciences, Dehradoon, India. (x)
28. Diabetic cataractogenesis : role of Ca2+- dependent & / independent proteases (2003), **Deepak Chandra,** Ramana K.V., Christensen B.N., Bhatnagar A. and Srivastava S.K., In proceedings of 4th annual symposium on Frontiers in Biomedical Research, 13-15 April, at Dr. B.R. Ambedkar Centre for Biomedical Research, University of Delhi, Delhi, India.
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