CURRICULUM VITAE

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Educational Qualification

Sr. No.	Institution Place	Degree Awarded	Year	Field of study
1	Madras University, India	M.Sc.	1990	Environmental Toxicology
2	Nagpur University, Nagpur	Ph.D.	2001	Bio-chemistry

Doctoral Degree

Biochemistry, Nagpur University, Study carried out under the supervision of Dr. T. Chakrabarti Topic "**Genotoxicity of hazardous Wastes and Toxic wastewaters generated from selected Industries**" at Environmental Biotechnology Division, NEERI, Nagpur, India

Post Doctoral Studies (August - December 2005)

Study on HER-2 mechanism using *in vitro* cell culture system. Investigation on Oncogene blocking therapies using *in vitro* cell and *in vivo* nude mice model system at Center for Toxicology, Rudolf Boem Institute of Pharmacology and Toxicology, Leipzig University, Leipzig, Germany

Employment Details

Sr. No.	Institution/Place	Position	From	To
1	National Environmental Engineering Research Institute, Nagpur	Cheif Scientist	January 2017	Till Date
2	National Environmental Engineering Research Institute, Nagpur	Senior Principal Scientist	January 2011	December 2016
3	National Environmental Engineering Research Institute, Nagpur	Principal Scientist	January 2006	December 2011
4	National Environmental Engineering Research Institute, Nagpur	Scientist E-I	January 2002	December 2006
5	National Environmental Engineering Research Institute (NEERI), Nagpur	Scientist-C	January 1997	December 2002
6	National Environmental Engineering Research Institute (NEERI), Nagpur	Scientist-B	January 1995	December 1997
7	Industrial Toxicolgoy Research Centre (ITRC), Lucknow	Scientist-B	January 1992	December 1995

Technical Expertise

- Large scale algal biofuel production at M/s Purti Power & Sugar Ltd, Nagpur using algae vis a vis CO_2 sequestration from CO_2 sources with open raceway pond system is a research pertaining to climate change vis-à-vis cleaner energy.

- The antioxidant & anticancerous property of natural products (RCUD, Gymnema montanum and Tribulus terrestris) have been proved. This will be useful for common man
- Gained considerable experience in handling various techniques includes cytogenetics and molecular toxicology. Techniques for characterizing hazardous waste, toxic chemicals and its genotoxic potential. Able to handle instruments such as GC-MS, HPLC, Flow cytometer, SELDI TOFF and Proteomic workstation.
- Development of biomarkers in human population exposed to industrial and environmental chemicals.

Editorial Board Member of Journals of Repute

1. **Toxicology Online Library Journal, UK**
2. Low Carbon Energy Journal, **USA**
3. Cell Biology Journal, **Science Group publishers, USA**
4. Environmental Sciences and Technology International Journal, J**akraya Publications, India**

Reviewer for Journals : (15 Nos.)

Conferences & Training Programme Organized : (10 Nos.)

Publications : (More than 85)

Publications (International Journals since 2010):

1. Atul P Daiwile, Prashant Tarale, Saravanadevi *Sivanesan, Pravin K Naoghare, Amit Bafana, Devendra Parmar, **Krishnamurthi Kannan**, Role of fluoride induced epigenetic alterations in the development of skeletal fluorosis, Ecotoxicology and environmental safety, https://doi.org/10.1016/j.ecoenv.2018.11.035, 2019.
2. Shriniwas S. Basaiyye Sanjay Kashyap, **Kannan Krishnamurthi** Saravanadevi Sivanesan, Induction of apoptosis in leukemic cells by the alkaloid extract of garden cress (Lepidium sativumL.), Journal of Integrative edicine, https://doi.org/10.1016/j. joim.2019.03.004, 2019
3. R Appa, VA Mhaisalkar, A Bafana, SS Devi, **K Krishnamurthi**, T. Chakrabarti, P.K. Naoghare, Simultaneous quantitative monitoring of four indicator contaminants of emerging concern (CEC) in different water sources of Central India using SPE/LC-(ESI) MS-MS, Environmental monitoring and assessment, 190 (8): 489, 2018.
4. Tunde O. Etchie, Saravanadevi Sivanesan**,** Ayotunde T. Etchie, Gregory O. Adewuyi, **Kannan Krishnamurthi,** K.V. George, Padma S. Rao, The burden of disease attributable to ambient PM2.5-bound PAHs exposure in Nagpur, India, Chemosphere, 204: 277-289, 2018
5. Prashant Tarale, Atul P Daiwile, Saravanadevi Sivanesan, Reinhard Stöger, Amit Bafana, Pravin K Naoghare, Devendra Parmar, Tapan Chakrabarti, **Kannan Krishnamurthi**, Manganese exposure: Linking down-regulation of miRNA-7 and miRNA-433 with α-synuclein overexpression and risk of idiopathic Parkinson's disease, Toxicology in Vitro, Pergamon, 46:94-101, 2018.
6. Tunde O Etchie, Ayotunde T Etchie, Gregory O Adewuyi, Ajay Pillarisetti, Saravanadevi Sivanesan, **Kannan Krishnamurthi,** Narendra K Arora, The gains in life expectancy by ambient PM 2.5 pollution reductions in localities in Nigeria, Environmental Pollution, 236:146-157, 2018

7. Atul P Daiwile, Saravanadevi Sivanesan*****, Prashant Tarale, Pravin K Naoghare, Amit Bafana, Devendra Parmar, **Krishnamurthi Kannan**, Role of fluoride induced histone trimethylation in development of skeletal fluorosis, Environmental toxicology and pharmacology, 57: 159-165, 2018

8. Shriniwas S Basaiyye, Pravin K Naoghare, Sanjeev Kanojiya, Amit Bafana, Patrizio Arrigo, **Kannan Krishnamurthi**, Saravanadevi Sivanesan, Molecular mechanism of apoptosis induction in Jurkat E6-1 cells by Tribulus terrestris alkaloids extract, Journal of Traditional and Complementary Medicine, 2017.

9. Prashant Tarale, Atul P Daiwile, Saravanadevi Sivanesan, Reinhard Stöger, Amit Bafana, Pravin K Naoghare, Devendra Parmar, Tapan Chakrabarti, **Kannan Krishnamurthi,** Manganese exposure: Linking down-regulation of miRNA-7 and miRNA-433 with α-synuclein overexpression and risk of idiopathic Parkinson's disease, Toxicology in Vitro, Pergamon, 46:94-101, 2017.

10. Shrivastava P, Naoghare PK, Gandhi D, Devi SS, **Krishnamurthi K**, Bafana A, Kashyap SM, Chakrabarti T; Application of cell-based assays for toxicity characterization of complex wastewater matrices: Possible applications in wastewater recycle and reuse, Ecotoxicol Environ Saf., doi: 10.1016/j.ecoenv.2017.04.023, 2017.

11. Gandhi D, Sivanesan S, **Kannan K**; Manganese-Induced Neurotoxicity and Alterations in Gene Expression in Human Neuroblastoma SH-SY5Y Cells, Biol Trace Elem Res., doi: 10.1007/s12011-017-1153-5, 2017

12. Deepa Gandhi, Pravin K. Naoghare, Amit Bafana, **Krishnamurthi Kannan** & Saravanadevi Sivanesan* , Fluoride-Induced Oxidative and Inflammatory Stress in Osteosarcoma Cells: Does It Affect Bone Development Pathway? Biol Trace Elem Res, 175:, Issue 1, (103–111), 2017

13. Tunde O. Etchie, Saravanadevi Sivanesan, Gregory O. Adewuyi, **Kannan Krishnamurthi,** Padma S. Rao, Ayotunde T. Etchi et al, The health burden and economic costs averted by ambient PM2.5 pollution reductions in Nagpur, India, Environment International, 102 (145-156), 2017

14. Preeti Shrivastava, Priyanka A. Mulay, Pravin K. Naoghare, Preeti Meshram, Mohammad Farooqui, Amit Bafana, Patrizio Arrigo, G. S. Kanade, Saravanadevi Sivanesan, **Kannan Krishnamurthi** & Tapan Chakrabarti, Elevated levels of urinary 17-ketosteroids in central Indian children residing near sewage treatment plant and solid waste disposal plant: A preliminary study, Human and Ecological Risk Assessment, DOI 10.1080/108070.2016.1239179, 2017

15. Tarale P, Sivanesan S, Daiwile AP, Stöger R, Bafana A, Naoghare PK, Parmar D, Chakrabarti T, **Kannan K.**, Global DNA methylation profiling of manganese-exposed human neuroblastoma SH-SY5Y cells reveals epigenetic alterations in Parkinson's disease-associated genes, Arch Toxicol., 91(7):2629-2641, 2017.

16. Alimba CG, Gandhi D, Sivanesan S, Bhanarkar MD, Naoghare PK, Bakare AA, **Krishnamurthi K**., Chemical characterization of simulated landfill soil leachates from Nigeria and India and their cytotoxicity and DNA damage inductions on three human cell lines, Chemosphere, 164 (469-479) 2016 ,

17. Prashant Tarale, Tapan Chakrabarti, Saravanadevi Sivanesan, Pravin Naoghare, Amit Bafana, and **Kannan Krishnamurthi**; Potential Role of Epigenetic Mechanism in Manganese Induced Neurotoxicity, BioMed Research International, Article ID 2548792, 2016.

18. Ajam Yakub Shekh, Preeti Shrivastava, Ankit Gupta, **Kannan Krishnamurthi**, Sivanesan Saravana Devi, Sandeep N Mudliar, Biomass and lipid enhancement in

Chlorella sp. with emphasis on biodiesel quality assessment through detailed FAME signature, Bioresource technology, Elsevier, 201 (276-286) 2016.

19. Elango Bhakkiyalakshmi, Natarajan Suganya, Dornadula Sireesh, **Kannan Krishnamurthi**, Sivanesan Saravana Devi, Palanisamy Rajaguru, Kunka Mohanram Ramkumar, Carvacrol induces mitochondria-mediated apoptosis in HL-60 promyelocytic and Jurkat T lymphoma cells, European journal of pharmacology, 772 (92-98) 2016.

20. Ajam Yakub Shekh, Preeti Shrivastava, **Kannan Krishnamurthi**, Sandeep N Mudliar, Sivanesan Saravana Devi, Gajanan S Kanade, Tapan Chakrabarti, Stress enhances poly-unsaturation rich lipid accumulation in *Chlorella sp.* and *Chlamydomonas sp.*, Biomass and Bioenergy, 84 (59-66) 2016.

21. Rajalaxmi Behera, MD Kothekar, DS Kale, **K Krishnamurthi**, AR Sirothia, DR Kalorey, MS Patil, Study of mutations in aminolevulinic acid dehydratase (ALAD) gene in cattle from fly ash zone in Maharashtra, India, Indian Journal of Animal Research, 50 (1) (19-22), 2016.

22. Ajam Shekh, Preeti Shrivastav, **K. Krishnamurthi**, S.N.Mudliar, Saravana Devi Sivanesan, G.S.Kanade, T.Chakrabarti. Stress Enhances Poly-Unsaturation Rich Lipid Accumulation in Chlorella sp. and Chlamydomonas sp. Journal Biomass and Bioenergy DOI: 10.1016/j.biombioe.2015.11.013; 2015

23. Deepa Gandhi, Prashant Tarale, Pravin K. Naoghare, Amit Bafana, **Kannan Krishnamurthi,** Patrizio Arrigo, Sivanesan Saravanadevi. An integrated genomic and proteomic approach to identify signatures of endosulfan exposure in hepatocellular carcinoma cells In press Pesticide Physiology and Biochemistry, 2015

24. Sreemanta Pramanik, Subin T. Surendran, Sathishkumar Arumugam, Sivanesan Saravana Devi, **Kannan Krishnamurthi**, Tapan Chakrabarti. Polymorphisms in DNA repair and multidrug resistance genes among Sindhis of central India In Press Environmental Toxicology and Pharmacology, 2015

25. Chhangani, J.A, Tiwari, S.G, Rai, M.M, A.Bafana, **Krishnamurthi, K**. Development of cow urine based polyherbal hair conditioner and evaluation of antidandruff activity IJIET 2015.

26. Tiwari, S.G, Chhangani, J.A, Padole S. K., A. Bafana, **Krishnamurthi, K.** Development, standardization and evaluation of antimicrobial activity of herbal tooth powder fortified with Cow *Ghee.* IJIET 2015.

27. Pravin K Naoghare, Ajam Shekh, Amit Bafana, Priyanka Mulay, Sivanesan Saravana Devi, **Kannan Krishnamurthi**. Personal and social issues involved in cancer development. Indian Journal of Community Health 17 (1); 2015

28. Atul Daiwile, Saravana Devi Sivanesan, Alberto Izzotti, Amit Bafana, Pravin K. Naoghare, Patrizio Arrigo, Hemant J. Purohit, Devendra Parmar and **Krishnamurthi Kannan.** Non coding RNAs: Possible players in the development of fluorosis In Special Issue "Genetic and Epigenetic Effects of Environmental Mutagens and Carcinogens" BioMed Research International 2015.

29. Atul P. Daiwile, Pravin K. Naoghare, Manisha Fluke, P. D. Prasada Rao, Tarun K. Ghosh, **Kannan Krishnamurthi**, Chibuisi G. Alimba, Saravanadevi Sivanesan. Correlation of melanophore index with a battery of functional genomic stress indicators for measurement of environmental stress in aquatic ecosystem" In Press Environmental Toxicology and Pharmacology 2015.

30. Sarat Chandra T, G. Suvidha, S. Vidyashankar, S. Mukherji, V. S. Chauhan, **K. Krishnamurthi**, R. Sarada, S. N. Mudliar. Defatted algal biomass as a non-conventional low- cost adsorbent: Surface characterization and methylene blue adsorption characteristics. Bioresource Technology, Bioresource Technology 184, 395–404; 2015

31. Abhay Fulke, **Krishnamurthi Kannan**, Manisha D.Giripunje, Saravana Devi Sivanesan, Tapan Chakrabarti. Biosequestration of carbon dioxide, biomass, calorific value and biodiesel precursors production using a novel flask culture Photobioreactor Biomass and Bioenergy, 72, 136-142; 2015

32. SK Yadav, AA Juwarkar, AB Balki, AR Shende, SS Devi, K Krishnamurthi, Amit Bafana, Rajendra Prasad, Tapan Chakrabarti. Microorganism assisted phytoremediation of heavy metal and endosulfan contaminated soil. Reviews on Environmental Health 29 (1-2), 41-42; 2014

33. Muhil Vannan Seralathan, Saravana Devi Sivanesan, Srinivasan Nargunanathan, Amit Bafana, **Kannan Krishnamurthi**, Tapan Chakrabarti. . Chemotaxis based endosulfan biotransformation: enrichment and isolation of endosulfan degrading bacteria. Environmental Technology, 2014

34. Muhil Vannan Seralathan, Saravana Devi Sivanesan, Amit Bafana, Sanjay Madanchand Kashyap, Arrigo Patrizio, **Kannan Krishnamurthi**, Tapan Chakrabarti Cytochrome P450 BM3 of Bacillus megaterium - A possible endosulfan biotransforming gene. Journal of Environmental Sciences, 2014.

35. Sarat Chandra T, G. Suvidha, S. Vidyashankar, S. Mukherji, V. S. Chauhan, **K. Krishnamurthi**, R. Sarada, S. N. Mudliar. Statistical optimization of thermal pretreatment conditions for enhanced biomethane production from defatted algal biomass. Bioresource Technology, 2014.

36. Raju Yadav, **Krishnamurthi Kannan**, Ajam Y. Shekh, Sandeep N. Mudliar, Saravana S.Devi, Tapan Chakrabarti Activity enhancement of carbonic anhydrase in Chlamydomonas sp. for effective CO_2 sequestration, Clean Technology Environmental Policy DOI 10.1007/s10098-014-0734-7, 2014.

37. Raju R. Yadav, **K. Krishnamurthi**, Sandeep N. Mudliar, S.Sarvana Devi, Pravin K. Naoghare, A.Bafana, T.Chakrabarti. Carbonic Anhydrase Mediated Carbon Dioxide Sequestration: Promises, Challenges and Future Prospects Journal of Basic Microbiology, 2014.

38. Ayotunde T Etchie, Tunde O Etchie, Gregory O Adewuyi, **Kannan Krishnamurthi**, Satish R Wate, Saravana S Devi, Angela U Chukwu. Influence of seasonal variation on water quality in tropical water distribution system: is the disease burden significant? Water Res. 49:186-196, 2014.

39. Soumyadeep Sain, Pravin Naoghare, S. Saravana Devi, Atul Daiwile, **K. Krishnamurthi,** P. Arrigo, T. Chakrabarti. Beta caryophyllene and caryophyllene oxide, isolated from Aegle marmelos, as the potent anti-inflammatory agents against lymphoma and neuroblastoma cells" Anti inflammatory & Anti Allergy Agents in medicinal Chemistry journal, 13 (1): 45-55, 2014

40. Rajalaxmi Behera, M.D. Kothekar, D.S. Kale, **K. Krishnamurthi**, A.R. Sirothia, D.R. Kalorey and M.S. Patil. Study of mutations in aminolevulinic acid dehydratase (ALAD) gene in cattle from fly ash zone in Maharashtra. Indian Journal of Animal Research, 2014

41. Pramanik Sreemanta, Surendran Subin T, Devi Saravana, **Krishnamurthi Kannan**,

Chakrabarti, Tapan. Frequency and genotype distribution of ABCB1 gene polymorphisms among Maharashtrian population of Central India Xenobiotica 44 (6): 579-582, 2013

42. Amit Bafana, T Chakrabarti, **K Krishnamurthi** Mercuric reductase activity of multiple heavy metal-resistant *Lysinibacillus sphaericus* G1. Journal of Basic Microbiology 53: 1-8, 2013

43. Ayotunde T Etchie, Tunde O Etchie, Gregory O Adewuyi, **Kannan Krishnamurthi**, Saravana S Devi, Satish R Wate. Prioritizing hazardous pollutants in two Nigerian water supply schemes: a risk-based approach. *Bull World Health Organ* ; 91:553–561, 2013

44. Kunga Mohan Ramkumar, Chinnasamy Manjula, Bhakkiyalakshmi Elango, **Kannan Krishnamurthi**, Sivanesan Saravana Devi, Palanisamy Rajaguru. In vitro cytotoxicity of gymnema montanum in human leukemia HL-60 cells: induction of apoptotic cell death by mitochondrial membrane potential collapse Cell Proliferation, 46, (3): 263–271, 2013

45. Ajam Yakub Shekh, Preeti Shrivastava, **Kannan Krishnamurthi**, Sandeep N. Mudliar, Sivanesan Saravana Devi, Gajanan S. Kanade, Satish K. Lokhande, Tapan Chakrabarti. Stress-induced lipids are unsuitable as a direct biodiesel feedstock: A case study with Chlorella pyrenoidosa. Bioresource Technology 138: 382–386, 2013

46. Abhay B. Fulke, Komal Y. Chambhare, Lalita N. Sangolkar, Manisha D. Giripunje, **K. Krishnamurthi**, Asha A. Juwarkar, Tapan Chakrabarti. Potential of wastewater grown algae for biodiesel production and CO_2 sequestration. African Journal of Biotechnology 12 (20): 2939-2948, 2013

47. Rishiram Ramanan, **Krishnamurthi Kannan**, Saravana Devi Sivanesan, Tapan Chakrabarti. Prevalence and phylogenetic relationship of two β-carbonic anhydrases in affiliates of Enterobacteriaceae. Ann Microbiol 63 (4):1275-1282, 2013

48. Eesha Thakare, Madhuri Gawande, Minal Chaudhary, Muhil Seralathan, **Krishnamurthi Kannan.** Detection of micrometastasis in lymph nodes of oral squamous cell carcinoma: A comparative study Journal of Oral and Maxillofacial Pathology 17 ; 374-380; 2013

49. Rishiram Ramanan, Nadimuthu Vinayagamoorthy, Saravana Devi Sivanesan, **Krishnamurthi Kannan** and Tapan Chakrabarti Influence of CO2 concentration on carbon concentrating mechanisms in cyanobacteria and green algae: a proteomic approach. ALGAE 27(4): 295-301, 2012

50. Klaus Golka, Yael Abreu-Villaca, Rowshanak Anbari Attar, Miriam Angeli-Greaves, Muhammad Aslam, Nursen Basaran, Chaniphun Butryee, Keneshbek Dzhusupov, Fong-Yih Kao-Hamisch, Chris F. Heyns, Boo-Hyon Kang, **Kannan Krishnamurthi**, Rama Devi Mittal, Beerappa Ravichandran, Bidyut Roy, Fransiska Rungkat-Zakaria, Jianhua Shen, Karlygash Toguzbaeva, Trinh Vu Duc, Mohamed Wishahi, Jan G.Hengstler. Bladder cancer documentation of causes: multilingual questionnaire 'bladder cancer documentation of causes: Multilingual questionnaire "Bladder Cancer Doc" Thai Journal of Toxicology 27 (2),2012

51. Saravana Devi, Alka Dhondge, Pravin Naoghare, **K. Krishnamurthi**, T.Chakrabarti. Cellular Alterations and Modulation of Protein Expression in Bitumen Challenged Human Osteoblast Cells Environmental Science and Pollution Research 19: 4030-4041, 2012

52. Yadav R.R., S.N.Mudliar, A.Y.Shekh, A.B.Fulke, S. Saravana Devi, **K**. **Krishnamurthi**, A.Juwarkar, T.Chakrabarti. Immobilization of carbonic anhydrase in alginate and its influence on transformation of CO2 to calcite. Process Biochemistry 47: 585-590, 2012 (DOI 10.1016/j.procbio.2011.12.017)

53. Mahajan V. E., Raju Yadav, N. P. Dakshinkar, V. M. Dhoot, G. R. Bhojane, M. K. Naik, P. Shrivastava, P.K. Naoghare, **K. Krishnamurthi**. Influence of mercury from fly ash on cattle reared nearby thermal power plant. Environmental Monitoring and Assessment In Press 2012 DOI: 10.1007/s10661-011-2505-9

54. Azam Yakub Sheikh, **Kannan Krishnamurthi**, Sandeep N.Mudliar, Raju R.Yadav, Abhay B.Fulke, Sivanesan Saravana Devi, Tapan Chakrabarti. Recent Advancements in Carbonic Anhydrase Driven Processes for CO2 Sequestration: Minireview CRC Environmental Science and Technology 42:1–22, 2012

55. Klaus Golka, Yael Abreu-Villaca, Rowshanak Anbari Attar, Miriam Angeli-Greaves, Muhammad Aslam, Nursen Basaran, Rouslana Belik, Chaniphun Butryee, Orietta Dalpiaz, Keneshbek Dzhusupov, Thorsten H. Ecke, Henrieta Galambos, Helena Gerilovica, Holger Gerullis, Patricia Casares Gonzalez, Maria E. Goossens, Lela Gorgishvili Hermes, Chris F. Heyns, Jasmin Hodzic, Fumihiko Ikoma, Patrice Jichlinski, Boo-Hyon Kang, Ernst Kiesswetter, **Kannan Krishnamurthi**, Marie-Louise Lehmann, Irina Martinova, Rama Devi Mittal, Beerappa Ravichandran, Imre Romics, Bidyut Roy, Fransiska Rungkat-Zakaria, Konrad Rydzynski, Jianhua Shen, Maria Soufi, Karlygash Toguzbaeva, Trinh Vu Duc, Agata Widera, Christian Scutaru, Mohamed Wishahi, Jan G.Hengstler. Bladder cancer documentation of causes: multilingual questionnaire 'bladder cancer doc' Frontier in Biosciences E4, 2709-2722, June 1, 2012

56. Sreemanta Pramanik, Saravana Devi, Sanghamitra Chowdhary, Subin T. Surendran, **Kannan Krishnamurthi**, Tapan Chakrabarti. DNA Repair Gene Polymorphisms at XRCC1, XRCC3, XPD, and OGG1 Loci in Maharashtrian Population of Central India Chemosphere 82 (7) : 941-946; 2011

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59. Amit Bafana, **Kannan Krishnamurthi**, Mahendra Patil, Tapan Chakrabarti Heavy metal resistance in Arthrobacter ramosus strain G2 isolated from mercuric salt-contaminated soil. Journal of Hazardous Materials 177 : 481–486 ; 2010

60. Ramkumar. K.M., L. Sankar, C. Manjula, **K. Krishnamurthi**, S. Saravana Devi, T.Chakrabarti, K. Kalaiselvi, M. Palanivel and P. Rajaguru. Antigenotoxic Potential of Gymnema montanum Leaves on DNA Damage in Human Peripheral Blood Lymphocytes and HL-60 Cell Line Environmental and Molecular Mutagenesis 51: 285-293; 2010

61. Rishiram Ramanan, **Krishnamurthi K**, Deshkar A M, Raju Yadav and T. Chakrabarti. Enhanced algal CO2 sequestration through calcite deposition by

Chlorella sp. and Spirulina platensis in a mini-raceway pond. Bioresource Technology 101: 2616–2622; 2010

Chapters in Book : (04 nos.)

Patents Awarded:

1. US patent on "A composition (RCUD) for protecting and/or repairing DNA from oxidative damages and a method thereof by Chakrabarti Tapan, Saravana Devi Sivanesan, **Krishnamurthi Kannan**, Dutta Dipanwita and Singh Rishi Narain, NEERI, Mansingka Sunil Balakrishna and Dawle Suresh Haribhau from GVAK. **No. 7,718,360 and confirmation dated May 18, 2010.**

2. A PCT of China was awarded "A composition (RCUD) for protecting and/or repairing DNA from oxidative damages and a method thereof" by Chakrabarti Tapan, Saravana Devi Sivanesan, **Krishnamurthi Kannan**, Dutta Dipanwita and Singh Rishi Narain, NEERI, Mansingka Sunil Balakrishna and Dawle Suresh Haribhau from GVAK. Application Number: 03826375 Application Date: 2003/03/31; Publication Number: 1771045 Pub. Date: 2009/04/08; Announcement Number: 100475221 Announcement Date: 2006/05/10 **Grant Date: 2009-4-8**

3. A WIPO patent was awarded "A composition (RCUD) for protecting and/or repairing DNA from oxidative damages and a method thereof" by Chakrabarti Tapan, Saravana Devi Sivanesan, **Krishnamurthi Kannan**, Dutta Dipanwita and Singh Rishi Narain, NEERI, Mansingka Sunil Balakrishna and Dawale Suresh Haribhau from GVAK. Application Number: PCT/IN2003/000125 Application Date: 31.03.2003; **Publication Number: WO/2004/087176 Pub. Date: 14.10.2004**

Honors & Awards : (08 nos.)
Membership of Professional Societies: (more than 10 nos.)

Referees Name and Addresses:

1. **Dr. Tapan Chakrabarti**, Director level Scientist & Head, Environmental Biotechnology Division, National Environmental Engineering Research Institute (NEERI), Nehru Marg, NAGPUR-440 020, India, Phone 91-712-2249757 (Off), 2460378(Res), Fax :91-712-2249961 ; email: director@neeri.res.in, tapan1249@yahoo.co.in

2. **Prof Dr. Jan G. Hengstler**, Research Director. System Toxicology, Leibniz Research Centre for Working Environment and Human Factors at the University of Dortmund (IfADo), Ardeystrasse 67, 44139 Dortmund, Germany Phone +49(0)231/1084-348; Fax +49(0)231/1084-308; E-mail: hengstler@ifado.de; http://www.ifado.de/

3. **Dr. G. B. Maru**, Scientist & Head, Tobacco carcinogenesis Division, Advanced Centre for Technical Research Education on Cancer (ACTREC) TMC, Kharghar Node, Navi Mumbai-400012, India, Phone 91-22- 27405022(Off), 28915683 (Res), Email: gmaru@actrec.res.in

4. **Prof. Dr. P. Rajaguru**, Professor & Head, Dept. of Biotechnology, Anna University, Trichy campus, Tiruchirappalli-621024, Tamil Nadu, phone: 09486633577; Fax: 91-431-2407333; Email:rajaguru62@gmail.com

I certify that the forgoing information is correct and complete to the best of my knowledge and nothing has been concealed and distorted.

(K. Krishnamurthi)