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**Qualifications:**

Ph.D.: 2006, University of Kalyani, West Bengal

**Research Interests:** Mammalian cell culture, Cytotoxicity, Oxidative damage, Apoptosis, Mutation studies, Apoptotic gene expression, Synthesis of artificial amyloid lawn, Cell culture over synthesized lawn surfaces, Cytotoxicity & effect of metal ions on aggregation of Alzheimer's  $\beta$ -amyloid, Nanoparticle Toxicity using zebrafish model, enzymes isolated from natural sources for dissociation of amyloids, ZnO nanoflowers, nanosensors for detection of amyloids, role of ZnO nanoflower in amyloid dissociation, Nanoceria nanoclusters as ROS biosensors, Stem cell fate on ECM derived from cancer cells.

**Post-Doc / Work Experience:**

- 1) 2017 – Present: **Associate Professor** (Biophysics), Faculty of Allied Health Sciences, Chettinad Hospital & Research Institute
- 2) 2013 – 2017: **Assistant Professor** (Biophysics) (Sr. Grade), Faculty of Allied Health Sciences, Chettinad Hospital & Research Institute
- 3) 2008 – 2013: **Assistant Professor** (Biophysics), All India Institute of Hygiene & Public Health, **Govt. of India**, Kolkata, INDIA, from September 2008-2013
- 4) 2007-2008: Brain Korea 21 (BK21) Postdoctoral Researcher, Advanced Biomaterial Lab, Korea Advanced Institute of Science and Technology (KAIST), **SOUTH KOREA**

**Patents / GenBank Submissions:**

**Patent: 01**

1. Chan Beum Park, Sook Hee Ku, Koyeli Girigoswami, and Jungki Ryu. Method for screening drug for neurodegenerative diseases treatment. Korean Patent: Appl. No. 10-2007-0112804 (2007. 11. 06) Patent No. 10-1082484-0000 (2011. 11. 02)

**Patents under Process-04**

1. Sanjay K Metkar, **Koyeli Girigoswami**, Ramachandran Murugesan and Agnishwar Girigoswami, Denaturation of Amyloids by Lumbrokinase, submitted to Patent Office, Chennai on 09.10.2015, Ref. No. 5412/CHE/2015. Patent published on 14.4.2017 in The Patent Office Journal, India, 10756.
2. Sanjay K Metkar, **Koyeli Girigoswami**, Ramachandran Murugesan and Agnishwar Girigoswami, Degradation Process of Amyloid Fibrils by Serratiopeptidase, submitted to Patent Office, Chennai on 09.10.2015, Ref. No. 5415/CHE/2015. Patent published on 30.6.2017 in The Patent Office Journal, India, 22220.
3. **Koyeli Girigoswami**, Agnishwar Girigoswami, Ramachandran Murugesan and Najim Akhtar, Sensor For Amyloid Detection Based On ZnO Nanoflower Platform, submitted to Patent Office, Chennai on 11.01.2017, Appl. No. 201741001092. Patent published on 13.7.2018 in The Patent Office Journal, India, 26810.
4. Agnishwar Girigoswami, Haribabu V, **Koyeli Girigoswami**, Sharmila P, Label-free biocompatible magnetofluorescent nanoclusters for multimodal imaging, submitted to Patent Office, Chennai on 11.01.2017, Appl. No. 201741001085. Patent published on 13.7.2018 in The Patent Office Journal, India, 26804.

## Research Guidance

Ph.D.:01 (Guide) (Thesis submitted); M.Sc.:06 (completed)

### Summary of Research:

Papers	27	Citations	285	h-index	8	i10-index	8
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### Publications:

1. Thendral V, Dharshni T, Ramalakshmi M, Girigoswami A, **Girigoswami K (2019)**, Cerium Oxide Nanocluster Based Nanobiosensor for ROS Detection, **Biocat. Agric. Biotech.**, 19:101124. **[I.F.= 0.8]**
2. Girigoswami A, Ramalakshmi M, Akhtar N, Metkar S.K., **Girigoswami K (2019)**, ZnO Nanoflower petals mediated amyloid degradation - an in vitro electrokinetic potential approach, **Mater. Sci. Eng. C.**, 101:169-178. **[I.F.= 5.08]**
3. Sharmiladevi P, Akhtar N, Haribabu V, **Girigoswami K**, Chattopadhyay S and Girigoswami A **(2019)**, Excitation Wavelength Independent Carbon Decorated Ferrite Nanodots for Multimodal Diagnosis and Stimuli Responsive Therapy, **ACS Appl. Biomater.**, 2: 1634-1642. **[I.F. = 8.097]**
4. Sanjay K Metkar and **Koyeli Girigoswami (2019)**, Diagnostic Biosensors in Medicine- a Review, **Biocat. Agric. Biotech.**, 17:271-283. **[I.F.= 0.8]**
5. **Girigoswami K** and Akhtar N. **(2019)**, Nanobiosensors and fluorescence based biosensors: An overview. **Int. J. Nano Dimens.**, 10 (1): 1-17.

6. V. Haribabu, P. Sharmiladevi, N. Akhtar, AS. Farook, **K. Girigoswami**, Agnishwar Girigoswami (2019), Label Free Ultrasmall Fluoromagnetic Ferrite-clusters for Targeted Cancer Imaging and Drug Delivery, **Current Drug Delivery**, 16(3): 233-241. [I.F.= 2.078]
7. Agnishwar Girigoswami, Wafic Yassine, Palani Sharmiladevi, Vishwanathan Haribabu and **Koyeli Girigoswami**. (2018), Camouflaged Nanosilver with Excitation Wavelength Dependent High Quantum Yield for Targeted Theranostic, **Scientific Reports**, 8: 16459, DOI: 10.1038/s41598-018-34843-4 [I.F.= 4.25]
8. R. Deepika, **K. Girigoswami**, R. Murugesan, Agnishwar Girigoswami. (2018), Influence of Divalent Cation on Morphology and Drug Delivery Efficiency of Mixed Polymer Nanoparticles, **Current Drug Delivery**, 15:652-657. [I.F.= 2.078]
9. P. Sharmiladevi, V. Haribabu, **K. Girigoswami**, S.F. Abubacker, Agnishwar Girigoswami., Effect of Mesoporous Nano Water Reservoir on MR Relaxivity. **Scientific Reports**, (2017) 7: 11179, DOI:10.1038/s41598-017-11710-2 [I.F.= 4.25]
10. R. Deepika, **K. Girigoswami**, R. Murugesan, Agnishwar Girigoswami. , Influence of Divalent Cation on Morphology and Drug Delivery Efficiency of Mixed Polymer Nanoparticles, **Current Drug Delivery**, (2017) DOI: 10.2174/1567201814666170825160617. [I.F.= 2.078]
11. Akhtar N, Metkar S.K., Girigoswami A & **Girigoswami K.** ,ZnO nanoflower based sensitive nano-biosensor for amyloid detection. **Mater. Sci. Eng. C.**, (2017) 78:960-968. ISSN: 09284931[I.F.= 4.164]
12. Metkar S.K., Girigoswami A., Murugesan R. & **Girigoswami K.**, Lumbrokinase for degradation and reduction of amyloid fibrils associated with amyloidosis. **J. Appl. Biomed.**, (2017) 15:96-104. [I.F.= 1.509]
13. Metkar S.K., Girigoswami A., Murugesan R. & **Girigoswami K.**, In vitro and in vivo insulin amyloid degradation mediated by Serratiopeptidase, **Mater. Sci. Eng. C.**, (2017) 70:728-735. ISSN: 09284931[I.F.= 4.164]
14. **Girigoswami K.** and Metkar S. K. , Magnetic Nanoparticles Synthesized with Different Precursor Stoichiometry Induced Differential Toxicity in Multiple Cell Lines; **Int. J. Sci. Res.**, (2015) 4(11): 2052-2057. ISSN: 2319-7064.
15. **Girigoswami K.**, Meenakshi V., Murugesan R. & Girigoswami A., Studies on Polymer-Coated Zinc Oxide Nanoparticles: UV-blocking Efficacy and in vivo Toxicity; **Mater. Sci. Eng. C.**, (2015) 56: 501-510. ISSN: 09284931 [I.F.= 5.08]
16. Ghosh R., **Girigoswami K.** & Guha D., Caspase Dependent Apoptosis is Only Inhibited on  $\gamma$  Irradiation of Cells Conditioned by Repetitive Oxidative Stress, **Int. J. Sci. Res.**, (2013) 2: 12-18. ISSN: 2319-7064.
17. Kavya J.C., Amsaveni G., Nagalakshmi M., **Girigoswami K.**, Murugesan R., Girigoswami A., Silver Nanoparticles Induced Lowering of BCL<sub>2</sub> / Bax Causes DLA Tumour Cell Death in Mice, **J Bionanosci.**, (2013) 7, 276-281. ISSN: 1557-7910.
18. Ghosh R., **Girigoswami K.** & Guha D., Suppression of apoptosis leads to cisplatin resistance in V79 cells subjected to chronic oxidative stress; **Ind. J Biochem. Biophys.**, (2012) 49: 363-370. [I.F. (2012)= 1.142] ISSN:0975- 0959 (Online); 0301-1208 (Print)
19. Ghosh R. & **Girigoswami K.**, Some spectrofluorimetric studies with intact cells exposed repetitively to low doses of oxidative stress: Proceedings of UGC Sponsored National Seminar on Modern trends in Spectroscopy: Its Application in Chemistry and Biology 2011, (Eds S. Bhattacharya & D.C.Guria), published by **Maulana Azad College**, Kolkata, W.B., INDIA, (2011) pp. 144-152. ISBN-13-978-81-928246-1-1.

20. **Girigoswami K.**, Ku S.K., Ryu J. & Park C.B., A synthetic amyloid lawn system for high-throughput analysis of amyloid toxicity and drug screening; **Biomaterials**, (2008) 29: 2813-2819. [I.F. (2009)=**8.153**] ISSN: 0142-9612
21. Ryu J., **Girigoswami K.**, Ha C. Ku S.K. & Park C.B., Influence of multiple metal ions on  $\beta$ -amyloid aggregation and dissociation on a solid surface; **Biochemistry**, (2008) 47: 5328-5335. [I.F. (2009)=**3.226**] ISSN: [0006-2960](#) (print); [1520-4995](#) (web).
22. Kanapathipillai M., Ku S.K., **Girigoswami K.** & Park C.B., Small stress molecules inhibit aggregation and neurotoxicity of prion peptide 106-126; **Biochem. Biophys. Res. Commun**, (2008) 365: 808-813. [I.F. (2009)=**2.72**] ISSN: 0006-291X
23. Ghosh R. & **Girigoswami K.**, NADH dehydrogenase subunits are overexpressed in cells exposed repeatedly to  $H_2O_2$ ; **Mutat. Res.**, (2008) 638: 210-215. [I.F. (2009)=**3.764**] ISSN: 0027-5107
24. **Bose (Girigoswami) K.** & Ghosh R., Response to  $\gamma$ -irradiation in V79 cells conditioned by repeated treatment with low doses of hydrogen peroxide; **Radiat. Environ. Bioph.**, (2005) 44: 131- 137. [I.F. (2006) =**1.776**. ISSN: 0301-634X (print version)ISSN: 1432-2099 (electronic version)
25. **Bose (Girigoswami) K.**, Bhaumik G. & Ghosh R., Induced resistance in cells exposed to repeated low doses of  $H_2O_2$  involves enhanced activity of antioxidant enzymes; **Cell Biol. Int.**, (2005) 29: 761-767. [I.F. (2006) =**1.619**] ISSN: 1065-6995
26. **Bose (Girigoswami) K.**, Bhaumik G. & Ghosh R., Chronic low dose exposure to hydrogen peroxide changes sensitivity of V79 cells to different damaging agents; **Ind. J Exp. Biol.**, (2003) 41: 832-836. [I.F.= **0.55**] ISSN: 0975-1009 (Online); 0019-5189 (Print)
27. **Bose (Girigoswami) K.**, Bhaumik G. & Ghosh R., Low dose chronic exposure to oxidative stress changes sensitivity of V79 cells to different damaging agents by inhibiting apoptosis, in Proceedings of National Seminar on Recent Advances in Molecular Physiology, (Eds. N. Saha et al), published at **Kalyani University Press**, Kalyani, (2002) pp.144-150.

#### Book Chapters

1. **K.Girigoswami (2018)**, Toxicity of Metal Oxide Nanoparticles in Cellular and Molecular Toxicology of Nanoparticles, Advances in Experimental Medicine and Biology, Vol. 1048, pp.99-122, Q. Saquib et al. (eds.), Springer Cham, doi: [https://doi.org/10.1007/978-3-319-72041-8\\_7](https://doi.org/10.1007/978-3-319-72041-8_7)
2. **Bose (Girigoswami) K.**, Bhaumik G. & Ghosh R. (2003); Chronic low doses of  $H_2O_2$  affect sensitivity of mammalian cells to different damaging agents through changes in their antioxidant enzyme status; in Recent Environmental Changes- Its Impact on Health, Agriculture and Ecosystem, (Ed. S.C Santra), **published by World View**, Kolkata on behalf of University of Kalyani, W.B., India, pp.201-210.

Conference / Workshop / Invited Lecture/ Resource person / Seminar/:

Papers presented at Conferences

**Total: 46 (31 International and 15 National)**

1. Sembiyaa A, Mahalakshmi B and Koyeli Girigoswami\*, Nanomedicine in Cancer Management, International Conference on Stem Cells and Cancer Therapy, 5<sup>th</sup> July 2019 held at Saveetha Dental College, Poonamalli, Tamilnadu.
2. Koyeli Girigoswami\* and Tanzil Rubab, Insulin amyloid degradation mediated by ZnO nanoflowers International Conference on Stem Cells and Cancer Therapy, 5<sup>th</sup> July 2019 held at Saveetha Dental College, Poonamalli, Tamilnadu.
3. Kavithasri A and Koyeli Girigoswami\*, Nanobiosensor to detect ROS using Cerium oxide Nanoclusters, International Conference on Stem Cells and Cancer Therapy, 5<sup>th</sup> July 2019 held at Saveetha Dental College, Poonamalli, Tamilnadu.
4. K. Harini, P. Sharmiladevi, Koyeli Girigoswami, Agnishwar Girigoswami\*, Improvement of Rhodamine ROS Quantum Yield using Niosomal Nanoformulation, International Conference on Stem Cells and Cancer Therapy, 5<sup>th</sup> July 2019 held at Saveetha Dental College, Poonamalli, Tamilnadu. (Best e Poster)
5. G.Poornima, P. Sharmiladevi, Koyeli Girigoswami, Agnishwar Girigoswami\*, Nanoformulated Naringenin for Improved Solubility and ROS Scavenging, International Conference on Stem Cells and Cancer Therapy, 5<sup>th</sup> July 2019 held at Saveetha Dental College, Poonamalli, Tamilnadu.
6. P. Sharmiladevi, V. Haribabu, Koyeli Girigoswami and Agnishwar Girigoswami\*, Role of mesoporous nanowater reservoir on MR relaxivity, International Conference on Stem Cells and Cancer Therapy, 5<sup>th</sup> July 2019 held at Saveetha Dental College, Poonamalli, Tamilnadu. (Best e Poster)
7. Dhanavardhini K<sup>1</sup>, Breghatha M<sup>1</sup>, Weslen Vedakumari, Koyeli Girigoswami, Nanosponge based Haemostatic Material-an Application of Bionanotechnology, National Conference on Interdisciplinary Research and Innovations in Biosciences, NATCON-2018, 24<sup>th</sup> -25<sup>th</sup> Jan, 2018 held at Mohammad Sathak College of Arts and Science, Chennai.
8. Sanjay KisanMetkar and Koyeli Girigoswami, ZnO nanoflower based detection of insulin amyloids and its enzymatic degradation by Lumbrokinase and Serratiopeptidase, SERB Sponsored National Conference on Nanotechnology in Medicine, 8<sup>th</sup> -9<sup>th</sup> September, 2017 held at Chettinad Hospital and Research Institute, Chennai. (Oral-III Prize)
9. Dhanavardhini K, Breghatha M, Weslen Vedakumari, Koyeli Girigoswami, Nanosponges: A Rapid Haemostatic Material, SERB Sponsored National Conference on Nanotechnology in Medicine, 8<sup>th</sup> -9<sup>th</sup> September, 2017 held at Chettinad Hospital and Research Institute, Chennai. (Poster-III Prize)
10. Rubiya R, Dhanavardhini K, Agnishwar Girigoswami, Koyeli Girigoswami, Photodynamic Therapy in Oral Cancer and Premalignant Lesions, 2<sup>nd</sup> International Conference on Novel Approaches in Cancer Research & Therapy (NACRAT-2017), 26-29<sup>th</sup> June, 2017 held at Saveetha Dental College, Chennai.
11. Sanjay KisanMetkar and Koyeli Girigoswami, Insulin amyloid dissociation by Serratiopeptidase both in vitro and in vivo, National Seminar on Advanced Biomaterials and Applications, 15<sup>th</sup> Feb 2017 held at Hindustan University, Padur, Chennai, India.
12. GuruPriya R. and Koyeli Girigoswami, Multiple uses of Silver Nanoparticles synthesized from Ipomoea carnea, International Conference on Environment and Health in Changing Climate- ICEHCC 2016, 14-16<sup>th</sup> September, 2016 held at Bharathidasan University, Thiruchirapalli, Tamilnadu, INDIA.

13. NajimAkhtar and KoyeliGirigoswami, Detection of Amyloid through ZnO nanoflower based platform, International Conference on 'Modern Diagnostic Tools in Health Sciences', 22-23<sup>rd</sup> August, 2016 held at Dr. MGR Janaki College of Arts and Science for Women, Chennai, INDIA (1<sup>st</sup> Prize- Dr. MGR Centenary Award)
14. Sanjay K Metkar and KoyeliGirigoswami, Lumbrokinase Extracted from Earthworm Degrades Insulin Amyloid in vitro and in vivo, International Conference on Applications of Natural Products and Opportunities Ahead, 2-3 August 2016, held B.S. AbdurRahman University, Chennai, INDIA.
15. Shaoli De, KoyeliGirigoswami and AgnishwarGirigoswami, Neutraceuticals for Lifestyle Diseases, International Conference on Applications of Natural Products and Opportunities Ahead, 2-3 August 2016, held B.S. AbdurRahman University, Chennai, INDIA.
16. S.AntinateShilpa, M.Prabavathi, and KoyeliGirigoswami, Nanocellulose Extracted from Bioresidues used for Drug Deliver, International Conference on Applications of Natural Products and Opportunities Ahead, 2-3 August 2016, held B.S. AbdurRahman University, Chennai, INDIA.
17. BhavanaMurjani, YashnaChabria, Devender, KoyeliGirigoswami, Therapeutic uses of hawthorn (CrataegusOxycantha), International Conference on Applications of Natural Products and Opportunities Ahead, 2-3 August 2016, held B.S. AbdurRahman University, Chennai, INDIA.
18. Elakkiya.K, Harini.S, SanjeevKumar.R, KoyeliGirigoswami, Multifunctional therapeutic effects of Jadwar (Delphinium denudatum), International Conference on Applications of Natural Products and Opportunities Ahead, 2-3 August 2016, held B.S. AbdurRahman University, Chennai, INDIA.
19. Dharshni T, Thendral V, Sanjayan C.G. and KoyeliGirigoswami, Aloe vera: nature's compliment for multiple impacts on health, International Conference on Applications of Natural Products and Opportunities Ahead, 2-3 August 2016, held B.S. AbdurRahman University, Chennai, INDIA.
20. Selvajothi A, Sivakami M and KoyeliGirigoswami, Versatile Uses of Carica Papaya as Drug, International Conference on Applications of Natural Products and Opportunities Ahead, 2-3 August 2016, held B.S. AbdurRahman University, Chennai, INDIA.
21. SaiNievethitha S, Poornima R, KoyeliGirigoswami, Silk Fibroin for Nerve Tissue Engineering, International Conference on Applications of Natural Products and Opportunities Ahead, 2-3 August 2016, held B.S. AbdurRahman University, Chennai, INDIA.
22. MonishaG, Arya Kand KoyeliGirigoswami, Triphala and its Advantages, International Conference on Applications of Natural Products and Opportunities Ahead, 2-3 August 2016, held B.S. AbdurRahman University, Chennai, INDIA.
23. Sanjay K Metkar, KoyeliGirigoswami, RamachandranMurugesan and AgnishwarGirigoswami, Insulin Amyloid Degradation in vitro and in vivo by Lumbrokinase, Avidadham'16-International Conference on Recent Advances in Diagnosis and Treatment of Metabolic Disorders, 18-19 March 2016, held at Anna University, Chennai, INDIA.
24. NajimAkhtar, Sanjay K Metkar, AgnishwarGirigoswami and KoyeliGirigoswami, ZnONanoflower Platform: A Sensitive Amyloid Sensor, Avidadham'16-International Conference on Recent Advances in Diagnosis and Treatment of Metabolic Disorders, 18-19 March 2016, held at Anna University, Chennai, INDIA.
25. KoyeliGirigoswami, UV-blocking Efficacy and in vivo Toxicity of Polymer Coated Zinc Oxide Nanoparticles in Zebrafish Embryo, One Day International Seminar on Frontiers in Translational and Regenerative Biology, 31 January 2016, held at Centre for Research in Nanoscience and Nanotechnology, University of Calcutta, West Bengal, INDIA.
26. Sanjay K Metkar, KoyeliGirigoswami, RamachandranMurugesan and AgnishwarGirigoswami. Dissociation of Insulin Amyloid in vitro and in vivo by Lumbrokinase, One Day International Seminar on Frontiers in Translational and Regenerative Biology, 31 January 2016, held at Centre for Research in Nanoscience and Nanotechnology, University of Calcutta, West Bengal, INDIA.

27. Koyeli Girigoswami. A High Throughput Screening System of Potential Drug Candidates for Alzheimer's Disease, National Conference on Application of Rapid Prototyping Techniques in Biomaterials (ARTBM'15), 19-20 March 2015, held at Karpaga Vinayaka College of Engineering and Technology, Kancheepuram, Tamilnadu, INDIA.
28. Koyeli Girigoswami. Differential effect of multiple metal ions on beta amyloid aggregation and dissociation over a solid surface, International Conference on Recent Discoveries of Diabetic Biomarkers and Challenges Ahead, 2-3 March 2015, held at School of Life Sciences, B.S. AbdurRahman University, Chennai, Tamilnadu, INDIA. (Best oral presentation)
29. Koyeli Girigoswami and Agnishwar Girigoswami. The aggregation and neurotoxicity of prion peptide 106-126 is inhibited by small stress molecules (SSMs), DBT Sponsored National Conference on Bioactive Peptides- Application in Veterinary, Medical and Food Science (NBAP-TANUVAS-2014), 18-19 December 2014, held at Department of Biotechnology, Madras Veterinary College, Madras, Tamilnadu, INDIA. (Best Poster Award)
30. Rita Ghosh, Koyeli Girigoswami and Dipanjan Guha. Suppression of apoptosis leads to cisplatin resistance in cells subjected to chronic oxidative stress, International Conference on Free Radicals, Antioxidants and Nutraceuticals in Health, Disease and Radiation Biology & SFRR- India Meeting, 11-12 Jan 2012, held at College of Medicine & JNM Hospital, WBUHS, Kalyani, INDIA.
31. Rita Ghosh and Koyeli Girigoswami. Some spectrofluorimetric studies with intact cells exposed repetitively to low doses of oxidative stress: UGC Sponsored National Seminar on Modern trends in Spectroscopy: Its Application in Chemistry and Biology 2011, 3-4 Feb 2011, held at Indian Association for Cultivation of Science, Jadavpur, Kolkata, INDIA.
32. Girigoswami K and Ghosh R. NADH dehydrogenase subunits are over-expressed in cells exposed repeatedly to H<sub>2</sub>O<sub>2</sub>: National Symposium on Trends in Cellular Biochemistry and Biophysics on the occasion of Golden Jubilee Celebration of University of Kalyani, Organized by Dept. of Biochem. & Biophys., KU. Sept 5-6, 2010. Kalyani, India.
33. Girigoswami K, Ku SK, Ryu J and Park CB; Template directed amyloid lawn system for high throughput analysis of amyloid toxicity. UGC Sponsored State Level Seminar on 'Playing God: Expanding Frontiers of Biotechnology.' 2009, 6-7 Nov 2009, held at Gurudas College, Narkeldanga, Kolkata, INDIA.
34. Ku SK, Kanapathipillai M, Girigoswami K & Park CB; Mad Cow disease's prion peptide aggregation and neurotoxicity suppressed by extremolytes, The Korean Society for Applied Biological Chemistry (KSABC) Conference 2008, May 2008 Held at KSABC, South Korea, pp.127.
35. Rhu J, Girigoswami K, Ha C, Ku SK & Park CB; Influence of Multiple Metal ions on  $\beta$ -Amyloid Aggregation and Dissociation on a Solid Surface, 2008 Spring KSBB Meeting and International Symposium, April 2008 Held at Chonbuk National University, South Korea, pp.149.
36. Ku SK, Kanapathipillai M, Girigoswami K & Park CB; Inhibition of aggregation and neurotoxicity of PrP 106-126 by small stress molecules, 2007 KSBB Fall Meeting and International Symposium, Oct 2007 Held at Dae-gu, South Korea, pp.237.
37. Kanapathipillai M, Ku SK, Girigoswami K & Park CB; Inhibitory effect of small stress molecules on aggregation and neurotoxicity of Prion peptide 106-126, 2007 Korean Institute of Chemical Engineering (KICChE) Fall Meeting, October 2007, Held at KAIST, Daejeon, South Korea, pp. 163.
38. Ghosh R, Bose Girigoswami K & Bhoumik S; Effect of cisplatin on V79 cells conditioned by repeated treatment with low doses of hydrogen peroxide, National Symposium on 21<sup>st</sup> Century in Biochemistry & Biophysics, Feb 2007 Held at University of Kalyani, W.B., India, pp. 30.
39. Bose (Girigoswami) K & Ghosh R; Response to cisplatin in V79 cells conditioned by repeated treatment with low doses of hydrogen peroxide, 13<sup>th</sup> West Bengal State Science & Technology Congress, Feb 2006 Held at University of Calcutta, Kolkata, India. pp.19.
40. Bose (Girigoswami) K & Ghosh R; Chronic low dose exposure to hydrogen peroxide altered response to gamma rays in V79 cells, International Symposium on Environmental Mutagenesis and Public Health and XXXI Annual Conference of EMSI-2006, Feb 2006 held at Indian Council of Medical Research, Hyderabad, India, pp.75.

41. Bose (Girigoswami) K, Bhaumik G & Ghosh R; Chronic low doses of H<sub>2</sub>O<sub>2</sub> affect sensitivity of mammalian cells to different damaging agents through changes in their antioxidant enzyme status, National Conference on Recent Environmental Changes- Its Impact on Health, Agriculture and Ecosystem, Aug 2003 held at University of Kalyani, W.B., India, pp.47.
42. Bose (Girigoswami) K, Bhaumik G & Ghosh R; Cells derived from V79 cell line after chronic low dose exposure to hydrogen peroxide show marked changes in antioxidant enzyme levels, Symposium on Environmental Genomics and Health Sciences and XXVII Annual Conference of EMSI-2002, March 2002 held at Industrial Toxicology Research Centre, Lucknow, India, pp.104.
43. Bose (Girigoswami) K, Bhaumik G & Ghosh R; Low dose chronic exposure to oxidative stress changes sensitivity of V79 cells to different damaging agents by inhibiting apoptosis, National Seminar on Recent Advances in Molecular Physiology, Feb 2002 held at University of Kalyani, W.B., India, pp.43-44.
44. Bose (Girigoswami) K, Bhaumik G & Ghosh R; Repeated low dose exposure to hydrogen peroxide inhibits apoptosis in Chinese hamster V79 cells, International Symposium on Environmental Health Sciences in the 21<sup>st</sup> Century and XXVI EMSI Annual Conference, March 2001 held at JNU, New Delhi, India, pp.6.
45. Bose (Girigoswami) K, Bhaumik G & Ghosh R; Chronic exposure to low doses of oxidative damage influences the sensitivity of V79 cells to different damaging agents, Symposium on Trends in Cellular and Molecular Biophysics, Sept 2000 held at Saha Institute of Nuclear Physics, Kolkata, India, pp.49.
46. Bose (Girigoswami) K, Bhaumik G & Ghosh R; Chronic exposure to low dose of hydrogen peroxide changes the sensitivity of V79 cells to different damaging agents, 7<sup>TH</sup> International Conference on Mechanisms of Antimutagenesis and Anticarcinogenesis, Sept 2000 held at Michigan, USA.

#### **Workshops/Conferences Organized**

1. Organizer of SERB, DST, Govt. of India Sponsored National Conference on Nanotechnology in Medicine, 8<sup>th</sup> -9<sup>th</sup> September, 2017. Grant Sanction No.SERB/F/2907/2017-18.
2. Organizer of Two day National Workshop in Molecular and Cellular Diagnostics, 10-11 Feb, 2017 at CHRI along with HiMedia.
3. Organizer of Workshop on Nanotechnology for Dental Applications, 11-12<sup>th</sup> April, 2017 at CHRI.

#### **Invited Lecture/Resource person**

- Koyeli Girigoswami, Studies on Response of Mammalian Cells after Chronic Exposure to Cytotoxic Agent, organized by Prof. Seong Hun Kim at Seoul National University, SOUTH KOREA on 27.02.2007 (invited lecture).
- Koyeli Girigoswami, 'DBT Star College Faculty Improvement Workshop on Recombinant DNA Technology and Bioinformatics', organized at Department of Microbiology, Lady Brabourne College, Govt. of West Bengal, Kolkata, West Bengal from 2.03.2013-9.03.2013. (Resource Person).
- Koyeli Girigoswami, Biomedical applications of optical in vivo imaging, at Workshop on 'Clinical Applications of Optical in vivo Imaging' held at Translational Research Platform for Veterinary Biologicals, TANUVAS, Chennai on 24.11.2016 (Resource person).
- Koyeli Girigoswami, Biomedical applications of optical in vivo imaging, at Workshop on 'Clinical Applications of Optical in vivo Imaging' held at Translational Research Platform for Veterinary Biologicals, TANUVAS, Chennai on 14.11.2017 (Resource person)



- Koyeli Girigoswami, Nanobiosensor for disease detection using ZnO Nanoflower Platform, at 'One Day Seminar on Challenges and Opportunities in Green Nanotechnology' held at VELS Institute of Science and Technology, Chennai on 25.01.2018 (Invited Lecture)
- Koyeli Girigoswami, Dalton's Lymphoma Cells death in Mice mediated by silver nanoparticles through lowering of Bcl<sub>2</sub>/Bax ratio, at 'One day Workshop on Electro Chemotherapy for Cancer Treatment' held at B.S. Abdur Rahman Crescent Institute of Science and Technology, Chennai on 14.03.2018 (Resource person)