

INDEXED PUBLICATIONS Citations: 10998; H-Index: 47 i10Index: 87

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 75. Manczak M, **Kandimalla R**, Yin X, Reddy PH. Mitochondrial division inhibitor 1 reduces dynamin-related protein 1 and mitochondrial fission activity. **Hum Mol Genet**. 2019 Jan 15;28(2):177-199. doi: 10.1093/hmg/ddy335 (IF: **6.8764 ave.5**; Best IF: **8.058**).
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 78. Manczak M, **Kandimalla R**, Yin X, Reddy PH. Hippocampal mutant APP and amyloid beta-induced cognitive decline, dendritic spine loss, defective autophagy, mitophagy and mitochondrial abnormalities in a mouse model of Alzheimer's disease. **Hum Mol Genet**. 2018 Apr 15;27(8):1332-1342. doi: 10.1093/hmg/ddy042. PubMed PMID: 29408999; PubMed Central PMCID: PMC6455948 PMC6381310 (IF: **6.8764 ave.5**; Best IF: **8.058**).
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 115. BK Binukumar, Amanjit Bal, **Kandimalla R**, Kiran Dip Gill, Nigrostriatal neuronal death following chronic dichlorvos exposure: crosstalk between mitochondrial impairments, α synuclein aggregation, oxidative damage and behavioral changes, **Mol Brain.** 2010 Nov 13;3:35. doi: 10.1186/1756-6606-3-35. PubMed PMID: 21073741; PubMed Central PMCID: PMC2996378 (IF: 4.399).
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 117. **Kandimalla R**, S Prabhakar, BK Binukumar, Willayat Yousuf Wani, Deep Raj Sharma, VK Grover, Neerja Bhardwaj, Kajal Jain, Kiran Dip Gill, Cerebrospinal fluid profile of amyloid β 42 (A β 42), hTau and ubiquitin in North Indian Alzheimer's disease patients, **Neurosci Lett.** 2011 Jan 7;487(2):134-8. doi: 10.1016/j.neulet.2010.06.075. Epub 2010 Jul 3. PubMed PMID: 20599474 (IF:3.197).
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SELECTED PRESENTATIONS

1. **Ramesh Kandimalla**. Reduced Drp1 in Alzheimer's Disease, ACBICON, 5th to 7th December 2024 at Hotel Mount View, Chandigarh, India.
2. **Ramesh Kandimalla**, Maria Manczak, Xiangling Yin, P.Hemachnadra Reddy. A partial loss of dynamin-related protein 1 enhances dendritic spines, reduces fragmented mitochondria and increases hippocampal based cognitive function in mutant Tau mice. Society for Neuroscience, November 11-15, 2017 Washington DC, USA.
3. Maria Manczak, **Ramesh Kandimalla**, Xiangling Yin, P.Hemachnadra Reddy Reduced dynamin-related protein 1 mitigates mitochondrial fragmentation, elevates spatial learning and memory functions and elevates dendritic spines in app transgenic mice. Society for Neuroscience, November 11-15, 2017 Washington DC, USA.
4. **Ramesh Kandimalla**, Maria Manczak, David Fry, Xiangling Yin, Akhilesh Pandey, Chandra Sekhar Kuruva, Carrah Osborn, P.Hemachnadra Reddy. Reduced dynaminrelated protein 1 protects against phosphorylated tau, mitochondrial dysfunction and synaptic damage in alzheimer's disease. **Society for Neuroscience, October 16-21, 2015 Chicago, USA.**
5. Maria Manczak, **Ramesh Kandimalla**, David Fry, Xiangling Yin, Akhilesh Pandey, Chandra Sekhar Kuruva, Carrah Osborn, P.Hemachnadra Reddy. Reduced dynaminrelated protein 1 protects against amyloid beta, mitochondrial toxicities and synaptic damage in alzheimer's disease. **Society for Neuroscience, October 16-21, 2015 Chicago, USA.**
6. Morales Medina JC, Juarez I, Dominguezl Opez S. **Ramesh Kandimalla**, Gobbi G G, Flores G, Quirion. R. An neuropeptide Y Y2 receptor antagonist reverses Corticosteroneinduced anxiogenicrelated behavior and neuronal hypertrophy. **Society for Neuroscience, October 16-21, 2015 Chicago, USA.**
7. Xiangling Yin, Maria Manczak, **Ramesh Kandimalla**, David Fry, Akhilesh Pandey, Chandra Sekhar Kuruva, Carrah Osborn, P.Hemachnadra Reddy. Mitochondrial Division Inhibitor 1 and mitochondriatargeted molecules MitoQ and ss31 protects against mutant httinduced mitochondrial toxicities in Huntington's disease neurons **Society for Neuroscience, October 16-21, 2015 Chicago, USA.**
8. **Ramesh Kandimalla**, Tiedong Wang, Xiaobing Tang, Minli Wang, Huichen Wang. Inhibition of GSK3 β attenuates neuronal damage resulting from exposure to low and high LET radiation. September 14th-18th, 2013, New Orleans, LA, USA.
9. Werner E, **Ramesh Kandimalla**, Wang H, Doetsch PW. "Early and persistent effect of PARP inhibition after exposure to radiation." 24th Annual NASA Space Radiation Investigators' Workshop. **HITSRS2013--Heavy Ion in Therapy and Space Radiation Symposium 2013, Chiba, Japan, May 15-18, 2013.**
10. **Ramesh Kandimalla**, Tiedong Wang, Xiaobing Tang, Huichen Wang. Interaction of APP(swe) mutant and GSK3 modulates radiation response in hippocampal neuronal cells. **23rd Annual NASA Space Radiation Investigators' Workshop, July 8-11, 2012, Durham, North Carolina, USA.**
11. **Ramesh Kandimalla**, Tiedong Wang, Xiaobing Tang, Huichen Wang. Interaction of APP(swe) mutant and GSK3 modulates radiation response in hippocampal neuronal cells. **Postdoctoral fellow Research Symposium, Emory University, May 16th, 2013, Atlanta, GA, USA.**

INVITED SPEAKER PRESENTATIONS

1. **Invited Speaker, Depat. of Biochemistry, PGIMER, Chandigarh**
Title: Reduced Drp1 in Alzheimer's Disease, ACBICON, 5th to 7th December 2024 at Hotel Mount View, Chandigarh, India.
2. **Invited Speaker, Kakatiya University, Warangal, Telangana, India**
Title: Scientific facts on COVID-19/21, June 16, 2021
3. **Invited Speaker, Bharathidasan University, Tiruchirappalli- 620 024, Tamil Nadu, India.**
Title: Protective Role of Reduced Drp1 in Alzheimer's disease, 14th & 15th October, 2020
International Conference, Organized by Nanyang Technological University, Singapore, Bharathidasan University, India, Kalasalingam Academy of Research and Education, India
4. **Invited Speaker, Bharathiyar University, Coimbatore, Tamil Nadu 641046**
Title: Reduced Drp1 role in Alzheimer's disease, 3rd March, 2020
5. **Invited Speaker, International Conference on Advances in Chemical Biology & Biologics (ICACB-2019), 28th-Feb- 02 March 2019 at CSIR-Indian Institute of Chemical Technology, Hyderabad-500007.**
Title: Protective role of reduced dynamin-related protein 1 against Tau and A β induced defective autophagy, mitophagy, dendritic spine loss, mitochondrial abnormalities and cognitive loss in Alzheimer's disease.
6. **Invited Lecturer, CSIR-CCMB, Hyderabad. 4th November 2017.**
7. **Invited Talk, National Brain Research Centre, Manesar, Gurgaon, Haryana. 17th October 2017.**
8. **Invited Seminar, Centre for Neuro Science, IISc, Bangalore. 7th October 2017.**
9. **ASIOA meeting, Sandiego, CA, USA April 28th, 2014.** *Protective role GSK3 β inhibitor in neuronal survival after low and high LET radiation.*
10. **Mount Sinai School of Medicine, New York, USA April 8th, 2014.** Effect of Radiation on neurons: Cross talks between APP and Gsk3 β signalling.
11. **Bascom Palmer Eye Institute, University of Miami, Miami, Florida, USA July 10th, 2014**
 - i. *Inhibition of GSK3 β override of the radiation-induced neuronal cell death.*
12. **Invited Speaker, Department of Biomedical Engineering, IIT, Hyderabad, India. 2014**
13. **Invited Talk, Department of Biochemistry and Centre for neural and cognitive sciences, Hyderabad Central University, Hyderabad, India 2014**
14. **National Institute of Pharmaceutical Education and Research, Hyderabad, India** *Inhibition of GSK3 β override of the radiation induced neuronal cell death pertaining to Alzheimer's disease. 2014*

HONORS & AWARDS

- 2025 Recognition Certificate from NIH, USA for Research Excellence
- 2024 World Top 2% scientist in Neurology by Stanford University, California, USA
- 2024 NASA Scientist Award, BNL, Newyork, USA
- 2023 World Top 2% scientist in Neurology by Stanford University, California, USA
- 2022 World Top 2% scientist in Neurology by Stanford University, California, USA
- 2021 World Top 2% scientist in Neurology by Stanford University, California, USA
- 2021 Best faculty Award, Kakatiya Medical College, Warangal
- 2022 World Scientist Ranking # 1773 by AD Scientific Index in India
- 2021 COVID-19 Warrior Award, Kakatiya Medical College, Warangal
- 2019 BBA-Molecular Basis of Disease Outstanding Reviewer
- 2018 Biomedicine and Pharmacotherapy, GENE, Outstanding Reviewer
- 2017 DBT-Ramalingaswami Fellow-Govt. Of India
- 2017 International Journal of Immunogenetics, Reviewer Certificate
- 2016 Best Poster Award, Center of Excellence for Translational Neuroscience and Therapeutics (CTNT), Texas, USA
- 2015 PlosOne & BMC Genomics Reviewer Certificate (Thank you)
- 2014 GKM **Junior Scientist Award** in Biochemistry, ASIOA, 2014 Sandiego, CA, USA.
- 2013 Scholars-in-Training (SIT) **Travel Award** by the Radiation Research Society, New Orleans, LA, USA September 14-18th, 2013.
- 2012 **Prof R Nath Gold medal award** in the field of biomedical Sciences for the Research Paper entitled Apo E ϵ 4 allele in conjunction with A β 42 and tau in CSF: Biomarker for Alzheimer's disease.
- 2007 Topper in the PGIMER-PhD Entrance Examination (July, 2007).
- 2003 First Rank in M.Sc. at the Manipal University, Medical Biochemistry final Examination.
- 2002 First prize for the oral presentation of the scientific paper "Antimutagenic Effect of selected dietary ingredients" at Integrated Science National Meet for College Students (ISNM02), Chennai, India.

EDITORIAL BOARD MEMBER

- 2022 **Associate Editor**, Brain Research (IF 3.61)
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- 2020 **Associate Editor**, Frontiers in Aging Neuroscience (IF 5.750)
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- 2017 Associate Editor, BMC Neuroscience (IF 3.288)
- 2017 Associate Editor, Journal of Alzheimer's disease (IF 4.4)
- 2017 Editorial Board Member, Biomedical and Pharmacology Journal
(<http://biomedpharmajournal.org/editorial-board/>)
- 2016 Guest Editor, Journal of Diabetes Research (Special Issue on Diabetes and Alzheimer's disease: from Intertwined Mechanisms to Novel Therapeutic Strategies)
- 2013 International Journal of Biochemistry and Biophysics
http://www.hrpub.org/journals/jour_editorialboard.php?id=8
- 2013-2020 American Journal of Psychiatry and Neuroscience
<http://www.sciencepublishinggroup.com/journal/editorialboard.aspx?journalid=653>
- 2014 Review Editor for Frontiers in Aging Neuroscience, Frontiers in Cellular Biochemistry, Frontiers in Chemistry, Frontiers in computational neuroscience
- 2015 Journal of Pharmaceuticals and Biomed Sciences, http://lawarencypress.com/?page_id=479

RESEARCH GRANTS

1. **DBT- Ramesh Kandimalla (Co-PI). 22/04/2021 to 21/04/24.** Design and Development of cost-effective Label-free detection of Alzheimer's biomarkers using liquid crystals. INR- 39.00 lakhs Total award
2. **DBT-Govt of India: Ramesh Kandimalla 14/06/2018-13/06/2023** "Pathological Role of Peripheral Insulin Resistance in Alzheimer's disease". INR-11,110,000.00 total award
3. **NIH R21 AG061674-01 grant Ramesh Kandimalla. (P.I) 30/11/2018-29/11/20** 'Reduced DRP1 and Mitophagy in Alzheimer's Disease. USD 4,20,750.00 from NIH and University Contribution \$ 4,00,000.00

ADHOC REVIEWER

PNAS, Journal of Neuroscience, Redox Biology, Nature Neuroscience, Nature-Scientific Reports, Molecular Psychiatry, Translational Psychiatry, Biocatalysis and Agricultural Biotechnology, BBA-Molecular Basis of Disease, Pharmaceuticals, Gene, Meta Gene, Heliyon, Microbial pathogenesis, Journal of Gerontology Biological Sciences, Journal of Experimental Biology, Neurotoxicology, Neurobiology of Aging, Current Alzheimer Research, Neurobiology of Disease, PlosOne, BMC Genomics, Journal of Alzheimer's Disease and Parkinsonism, Journal of Alzheimer's disease, Frontiers in Aging Neuroscience, Frontiers in Computational Neuroscience, Frontiers in Neuropharmacology, Neurological Research, International Scholarly Research Notices, Matters, Dementia and Geriatric Cognitive Disorders.

GRANT REVIEWER

1. Alzheimer Research UK (ARUK)-Cambridge, UK
2. Israeli Ministry of Science & Technology, Israel
3. DBT-Wellcome Trust, India