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Research interest:

I am interested to combine biotechnology, free radical biochemistry and molecular biology approaches to address problems of biomedical significance and diagnostics.

- Cell Aging
- Neuroscience, Neuropsychiatric and neurodegenerative disorders
- Telomere
- Oxidative stress

Teaching & Research Experience:

>10 years

Selected Publications: Citations: 1034+; h-index = 16; i10-index =30

Google scholar: <https://scholar.google.co.in/citations?user=aUr486UAAAAJ&hl=en>

*Corresponding author

1. **Maurya PK**, Rizzo LB, Xavier G, Tempaku PF, Ota VK, Santoro ML, Spíndola LM, Moretti P, Mazzotti DR, Gadelha A, Gouvea ES, Noto C, Maes M, Cordeiro Q, Bressan RA, Brietzke E, Belangero SI. Leukocyte telomere length variation in different stages of schizophrenia. *J. Psychiatr. Res.* 96 (2018) 218-223; 2018 [PMID: 29102816 DOI: 10.1016/j.jpsychires.2017.10.016.] (**Impact Factor: 4.183**).
2. **Maurya PK**, Rizzo LB, Xavier G, Tempaku PF, Zeni-Graiff M, Mazzotti DR, Zugman A, Pan P, Noto C, Maes M, Asevedo E, Mansur RB, Cunha GR, Gadelha A, Bressan RA, Belangero SI, Brietzke E. Shorter leukocyte telomere length in patients at ultra high risk for psychosis. *Eur. Neuropsychopharmacol.* 27(5):538-542; 2017 [PMID: 28274506 DOI: 10.1016/j.euroneuro.2017.02.008] (**Impact Factor: 4.409**).
3. Aggrawal T, Wadhawa R, Thapliyal N, Sharma K, Rani V, **Maurya PK***. Oxidative, inflammatory, genetic and epigenetic biomarkers associated with chronic obstructive

pulmonary disorder. *J. Cell. Physiol.* July 17; 2018 (In press) (**Impact Factor: 4.080**).

4. Rizzo LB, Swardfager W, **Maurya PK**, Graiff MZ, Pedrini M, Asevedo E, Cassinelli AC, Bauer ME, Cordeiro Q, Scott J, Brietzke E, Cogo-Moreira H. An immunological age index in bipolar disorder: a confirmatory factor analysis of putative immunosenescence markers and associations with clinical characteristics. *Int. J. Methods Psychiatr. Res.* 2018 (In press). [PMID: 29691917 DOI: 10.1002/mpr.1614] (**Impact Factor: 3.176**).
5. Deori NM, Kale A, **Maurya PK**, Nagotu S. Peroxisomes: role in cellular ageing and age related disorders. *Biogerontology.* 2018 Jul 2. (In press). [PMID: 29968207 DOI: 10.1007/s10522-018-9761-9] (**Impact Factor: 3.702**).
6. Mahato K, Kumar A, **Maurya PK**, Chandra P. Shifting paradigm of cancer diagnoses in clinically relevant samples based on miniaturized electrochemical nanobiosensors and microfluidic devices. *Biosens. Bioelectron.* 100:411-428; 2018 [PMID: 28957706 DOI: 10.1016/j.bios.2017.09.003] (**Impact Factor: 7.780**).
7. Gandhi S, Banga I, **Maurya PK**, Eremin S. Gold nanoparticles-single chain fragment variable antibody as immunoprobe for rapid detection of morphine by dipstick. *RSC Adv.* **8**: 1511-1518 ; 2018 (**Impact Factor: 3.289**).
8. Mahto K, **Maurya PK***, Chandra P. Fundamentals and commercial aspects of nanobiosensors in point-of-care clinical diagnostics. *3 Biotech.* 8(3):149; 2018. [PMID: 29487778 DOI: 10.1007/s13205-018-1148-8] (**Impact Factor: 1.5**).
9. Baranwal A, Srivastava A, Kumar P, Bajpai VK, **Maurya PK**, Chandra P. Prospects of Nanostructure Materials and their Composites as Antimicrobial Agents. *Front Microbiol.* 9:422; 2018. [PMID: 29593676 DOI: 10.3389/fmicb.2018.00422] (**Impact Factor: 4.076**).
10. Zeni-Graif M, Rios AC, **Maurya PK**, Rizzo LB, Sethi S, Yamagata AS, Mansur RB, Pan P, Asevedo E, Cunha GR, Zugman A, Bressan RA, Gadelha A, Brietzke E. Peripheral levels of superoxide dismutase and glutathione peroxidase in a sample of youth in ultra-high risk for psychosis: A pilot study. *CNS Spectr.* 2017. (In press) (**Impact Factor: 3.19**).
11. Aggrawal T, Wadhawa R, Rohil V, **Maurya PK***. Biomarkers of oxidative stress and protein-protein interaction in chronic obstructive pulmonary disease. *Arch. Physiol. Biochem.* 124(3):226-231;2017[PMID:29020824DOI:10.1080/13813455.2017.1387796] (**Impact Factor: 1.3**).
12. Rios AC, **Maurya PK**, Pedrini M, Zeni-Graiff M, Asevedo E, Mansur RB, Wieck A, Grassi-Oliveira R, McIntyre RS, Hayashi MAF, Brietzke E. Microbiota abnormalities and the therapeutic potential of probiotics in the treatment of mood disorders. *Rev Neurosci.* 28(7):739-749; 2017 [PMID: 28593878 DOI: 10.1515/revneuro-2017-0001]. (**Impact Factor: 3.198**).

13. **Maurya PK**, Noto C, Rizzo LB, Rios AC, Nunes SOV, Barbosa DS, Sethi S, Zeni M, Mansur RB, Maes M, Brietzke E. The role of oxidative and nitrosative stress in accelerated aging and major depressive disorder. *Prog. Neuropsychopharmacol. Biol. Psychiatry*. 65:134-144; 2016 [PMID: 26348786 DOI: 10.1016/j.pnpbp.2015.08.016]. [Citations:11] (**Impact Factor: 4.361**).
14. Kumar P, Chaudhary N, Sharma NK, **Maurya PK***. Detection of oxidative stress biomarkers in myricetin treated red blood cells. *RSC Adv*.6:100028-10002016; 2016 [DOI:10.1039/C6RA15213A]. (**Impact Factor: 3.289**).
15. **Maurya PK***, Kumar P, Nagotu S, Chand S, Chandra P. Multi-target detection of oxidative stress biomarkers in quercetin and myricetin treated human red blood cells. *RSC Adv*. 6: 53195-53202; 2016. [DOI: 10.1039/C6RA05121A]. (**Impact Factor: 3.289**).
16. Tempaku PF, Mazzotti DR, Hirotsu C, Andersen ML, Xavier G, **Maurya PK**, Rizzo LB, Brietzke E, Belangero SI, Bittencourt L, Tufik S. The effect of the severity of obstructive sleep apnea syndrome on telomere length. *Oncotarget*. 7(43):69216-69224; 2016. [PMID: 27690344 DOI: 10.18632/oncotarget.12293]. (**Impact Factor: 6.359**).
17. Levandowski ML, Tractenberg SG, Azeredo LA, Nardi T, Rovaris DL, Bau CHD, Rizzo LB, **Maurya PK**, Brietzke E, Tyrka AR, Oliveira RG. Crack cocaine addiction, early life stress and accelerated cellular aging among women. *Prog. Neuropsychopharmacol. Biol. Psychiatry*. 71:83-89; 2016 [PMID: 27346744 DOI: 10.1016/j.pnpbp.2016.06.009]. (**Impact Factor: 4.361**).
18. Zeni-Graiff M, Rizzo LB, Mansur RB, **Maurya PK**, Sethi S, Cunha GR, Asevedo E, Pan P, Zugman A, Yamagata AS, Higuchi C, Bressan RA, Gadelha A, Brietzke E. Peripheral immune-inflammatory abnormalities in ultra-high risk for psychosis. *Schizophrenia Res*. 176(2-3):191-5; 2016 [PMID: 27424266 DOI: 10.1016/j.schres.2016.06.03]. (**Impact Factor: 4.453**).
19. Mansur RB, Cunha GR, Asevedo E, Zugman A, Zeni-Graiff M, Rios AC, Sethi S, **Maurya PK**, Levandowski ML, Gadelha A; Pan PM, Stertz L, Belangero SI, Kauer-Sant'Anna M, Teixeira AL, Mari JJ, Rohde LA, Miguel EC, McIntyre RS, Grassi-Oliveira R; Bressan RA, Brietzke E. Socioeconomic Disadvantage Moderates the Association between Peripheral Biomarkers and Childhood Psychopathology. *PLoS One*. 11(8):e0160455; 2016. [PMID: 27489945 DOI: 10.1371/journal.pone.0160455]. (**Impact Factor: 3.057**).
20. Baranwal A, Mahato K, Srivastava A, **Maurya PK**, Chandra P. Phytofabricated metallic nanoparticles and their clinical applications. *RSC Adv*. 6, 105996-106010; 2016 [DOI 10.1039/C6RA23411A] (**Impact Factor: 3.289**).
21. **Maurya PK***, Kumar P, Chandra P. Age dependent detection of erythrocytes glucose-6-

- phosphate dehydrogenase and its correlation with oxidative stress. *Arch. Physiol. Biochem.* 122(2):61-6; 2016. [PMID: 26711700 DOI: 10.3109/13813455.2015.1136648] (**Impact Factor: 1.763**).
22. Kumar P, Chand S, **Maurya PK***. Quercetin modulated erythrocyte membrane sodium hydrogen exchanger during human aging: correlation with erythrocyte ATPase's. *Arch. Physiol. Biochem.* 122(3):141-7; 2016. [PMID: 26835548 DOI: 10.3109/13813455.2016.1150299] (**Impact Factor: 1.763**).
23. Kumar N, **Maurya PK**, Kant R, Rizvi SI. (-) - Epicatechin in vitro ameliorates erythrocyte protein carbonyl content in hypertensive patients: comparison with L-ascorbic acid. *Arch. Physiol. Biochem.* 122(3):155-60; 2016. [PMID: 26939969 DOI: 10.3109/13813455.2016.1159699]. (**Impact Factor: 1.763**).
24. Chandra P, Prasad A, Mahato K, Joshi SN, **Maurya PK**, Srivastava A. Bioinspired composite materials: applications in diagnostics and therapeutics. *Journal of Molecular and Engineering Materials*. 2016. [DOI: 10.1142/S2251237316400049] (In Press).
25. **Maurya PK**, Kumar P and Chandra P. Biomarkers of oxidative stress in erythrocytes as a function of human age. *World J. Methodol.* 5(4): 216-222; 2015 [PMID: 26713282 DOI: 10.5662/wjm.v5.i4.216]
26. Kumar P, Chand S, Chandra P, **Maurya PK***. Influence of dietary capsaicin on redox status in red blood cells during human aging. *Adv. Pharm. Bull.* 5(4): 583-586; 2015 [PMID: 26819932 DOI: 10.15171/apb.2015.078]. (**Impact Factor: 0.885**).
27. Kumar P, **Maurya PK***. Epigallocatechin-3- gallate protects erythrocyte Ca²⁺-ATPase and Na⁺/K⁺-ATPase against oxidative induced damage during aging in humans. *Adv. Pharm. Bull.* 4: 443-447; 2014. [PMID: 25364660 DOI 10.5681/apb.2014.065] (**Impact Factor: 0.885**).
28. Li LH, Yen MY, Ho CC, Wu P, Wang CC, **Maurya PK**, Chen PS, Chen W, Hsieh WY, Chen HW. Non-cytotoxic nanoparticles enhance antimicrobial activities of cefmetazole against multidrug-resistant *Neisseria Gonorrhoeae*. *PLoS One.* 8(5):e64794; 2013. [PMID: 23705013 DOI 10.1371/journal.pone.0064794] (**Impact Factor: 4.09**).
29. Kumar P, **Maurya PK***. L-cysteine efflux in erythrocytes as a function of human age: correlation with reduced glutathione and total antioxidant potential. *Rejuvenation Res.* 16 (3):179-184; 2013. [PMID: 23442131 DOI 10.1089/rej.2012.1394] (**Impact Factor: 3.931**).
30. **Maurya PK***, Prakash S. Decreased activity of Ca⁺⁺-ATPase and Na⁺/K⁺ -ATPase during aging in humans. *Appl. Biochem. Biotechnol.* 170 (1): 131-137; 2013. [PMID: 23483411 DOI 10.1007/s12010-013-0172-8] (**Impact Factor: 1.893**).
31. LeeYM, Chen HW, **Maurya PK**, Su CM, Tzeng CR. MicroRNA regulation via DNA

- methylation during the morula to blastocyst transition in mice. *Mol. Human Reprod.* **18(4)**:184-93; 2012. [PMID: 22053057 DOI 10.1093/molehr/gar072] (**Impact Factor: 4.542**).
32. Kumar N, Kant R, **Maurya PK**, Rizvi SI. Concentration dependent effect of (-) epicatechin on Na⁺/K⁺ -ATPase and Ca²⁺- ATPase inhibition induced by free radicals in hypertensive patients: comparison with L-ascorbic acid. *Phytotherapy Res.* **26 (11)**: 1644-1647; 2012. [PMID: 22371366 DOI 10.1002/ptr.4624] (**Impact Factor: 2.397**).
 33. **Maurya PK***, Prakash S. Intracellular uptake of (-) epicatechin by human erythrocytes as a function of human age. *Phytotherapy Res.* **25(6)**: 944-946; 2011. [PMID: 21626601 DOI 10.1002/ptr.3343] (**Impact Factor: 2.66**).
 34. Pandey KB, Mehdi MM, **Maurya PK**, Rizvi SI. Plasma protein oxidation and its correlation with antioxidant potential during human aging. *Dis. Markers.* **29 (1)**: 31-36; 2010. [PMID: 20826915 DOI 10.3233/DMA-2010-0723] (**Impact Factor: 2.174**).
 35. Kumar N, Kant R, **Maurya PK***. Concentration dependent effect of (-) epicatechin in hypertensive patients. *Phytotherapy Res.* **24 (10)**: 1433-1436; 2010. [PMID: 20127878 DOI 10.1002/ptr.3119] (**Impact Factor: 2.397**).
 36. **Maurya PK***, Kumar P, Siddiqui N, Tripathi P, Rizvi SI. Age associated changes in erythrocyte glutathione peroxidase activity: Correlation with total antioxidant potential. *Indian J. Biochem. Biophys.* **47**: 319-321; 2010. [PMID: 21280570] (**Impact Factor: 1.077**).
 37. **Maurya PK**, Rizvi SI. Age dependent changes in glutathione-S-transferase: correlation with total total antioxidant potential and red cell intracellular glutathione. *Indian J. Clin. Biochem.* **25(4)**: 398-400; 2010. [PMID: 21966113 DOI 10.1007/s12291-010-0047-5]
 38. Rizvi SI, Pandey KB, Jha R, **Maurya PK**. Ascorbate recycling by erythrocytes during aging in humans. *Rejuvenation Res.* **12**: 3-6; 2009. [PMID: 19072252 DOI 10.1089/rej.2008.0787] (**Impact Factor: 3.931**).
 39. **Maurya PK**, Rizvi SI. Protective role of tea catechins on erythrocytes subjected to oxidative stress during human aging. *Nat. Prod. Res.* **23(12)**: 1072-1079; 2009. [PMID: 18846469 DOI 10.1080/14786410802267643] (**Impact Factor: 1.031**).
 40. Chandra P, **Maurya PK**, Kumar P, Tripathi P, Srivastava AK. Diagnosis of rheumatic infections caused by group A *Streptococcus pyrogenes*: future investigation by nanotechnology. *Digest J. Nanomaterials Biostructures.* **4(4)**: 645-650; 2009. (**Impact Factor: 1.750**).
 41. **Maurya PK**, Rizvi SI. Alterations in plasma nitric oxide during aging in humans. *Indian J. Biochem. Biophys.* **46**: 130-132; 2009. [PMID: 19374267] (**Impact Factor: 1.077**).

42. Rizvi SI, **Maurya PK**. L-cysteine influx in erythrocytes as a function of human age. *Rejuvenation Res.* **11(3)**: 661-665; 2008. [PMID: 18593284 DOI 10.1089/rej.2007.0652] (**Impact Factor: 3.931**).
43. Rizvi SI, **Maurya PK**. Alterations in antioxidant enzymes during aging in humans. *Mol. Biotechnol.* **27**: 58-61; 2007. [PMID: 17914165] (**Impact Factor: 2.275**).
44. Rizvi SI, **Maurya PK**. Markers of oxidative stress in erythrocytes during aging in humans. *Ann. N. Y. Acad. Sci.* **1100**: 373-382; 2007. [PMID: 17460201] (**Impact Factor: 4.364**).
45. Rizvi SI, Jha R, **Maurya PK**. Erythrocyte plasma membrane redox system in human aging. *Rejuvenation Res.* **9(4)**: 470-474; 2006. [PMID: 17105387] (**Impact Factor: 3.931**).

Book:

1. Oxidative stress: Diagnostic methods and application in medical science

September, 2017 (ISBN: 978-981-10-4711-4)

Weblink:

<http://www.springer.com/us/book/9789811047107#aboutBook>



Edited by **Pawan Kumar Maurya** and Pranjal Chandra.

Publisher: Springer-Nature, **Singapore**

2. Nanotechnology in Modern Animal Biotechnology: Concepts and Applications

(Proposal accepted)

Edited by **Pawan Kumar Maurya** and **Sanjay Singh**

Publisher: ELSEVIER INC., Philadelphia, Pennsylvania, USA

3. Iron supplement, Oxidative Stress & Pregnancy: a critical balance

August, 2017 (ISBN: 9786202023894)

Edited by Hari Shanker (Ed.), **Pawan Kumar Maurya**, Neeta Kumar, Rajat Sandhir, Sunita Mittal, D.N. Rao

Publisher: LAP LAMBERT Academic Publishing

Book Chapters:

1. Kaur H, Kaur R, **Maurya PK***. Antipsychotic Drugs in Neuropsychiatric Diseases. “*Advances in Neuropharmacology: Drugs and Therapeutics*”. Apple Academic Press. 2018. (Accepted).
2. **Maurya PK**. Animal biotechnology as a tool to understand and fight aging. “*Animal Biotechnology: Models in Discovery and Translation*”. Chapter 10; Page No. 177-191; **2014**. Elsevier Inc; **USA. (Invited)**. Editor: Ashish S Verma & Anchal Singh
3. **Maurya PK**, Kumar P, Kumar P and Brietzke E. Methods for monitoring oxidative stress using conventional and advanced nanodiagnostic methods. “*Nanobiosensors for Personalized and Onsite Biomedical Diagnosis*”. Chapter 25; Page No. 521-536; **2016**. The Institution of Engineering and Technology, Michael Faraday House, **Stevenage, United Kingdom. (Invited)**. [DOI 10.1049/pbhe001e_ch25] Editor: Pranjal Chandra
4. Sharma S, Srivastava R, Srivastava A, **Maurya PK** and Chandra P. Biomedical Potential of Marine Sponges. “*Marine Sponges: Chemicobiological and Biomedical Applications*”, Springer, Page No. 329-340; **2016**. (DOI 10.1007/978-81-322-2794-6_16). Editor: Ramjee Palella
5. Srivastava R, Sharma S, Kumar P, **Maurya PK** and Chandra P. Nano-diagnostic methods based on marine enzymes “*Marine Enzymes Biotechnology: Production and Industrial Applications, Part III - Application of Marine Enzymes*” Elsevier Inc; **USA. 2016. (Accepted)**. Editor: Kim S.-K.
6. Arora N, **Maurya PK** and Kacker P. Opportunities and challenges in translational drug discovery. “*Translational Bioinformatics and its Application*”. Springer-Nethaland, Page No. 58-87; **2017**. Editor: Dongging Wei
7. Mahato K, Baranwal A, Srivastava A, Maurya PK, Chandra P. Smart Materials for Biosensing Applications. *Techno-Societal 2016*. Springer, pp 421-431; 2016.
8. Kumar P, **Maurya PK**, Singh RK and Kamle M. Beneficial uses and Application of Plant Growth promoting rhizobacteria (PGPR) in Sustainable agriculture. “*Microbiology for Sustainable Agriculture, Soil Health and Environmental Protection*”. Apple Academic Press, USA. 2017 (In press). Editor: Deepak Verma
9. Mahato K, Kumar S, Srivastava A, **Maurya PK**, Singh R, Chandra P. Electrochemical Immunosensors: Fundamentals and Applications in Clinical Diagnostics. “*Handbook of Immunoassay Technologies*”. ELSEVIER, Academic Press 2018
10. Brietzke E, Yamagata AS, **Maurya PK**, Rizzo LB, Grassi-Oliveira R. Neuroprogression and accelerated aging in severe psychiatric disorders. “*Neuroprogression in Psychiatry*” **OXFORD UNIVERSITY PRESS** of Great Clarendon Street Oxford OX2 6DP **(Invited)**. Editors: Flavio Kapczinski, Michael Berk, and Pedro Magalhães

Editorial:

1. Prasad A, Mahato K, **Maurya PK**, Chandra P. Biomaterials for biosensing application. *J Anal Bioanal Tech*. 2016, 7:2. <http://dx.doi.org/10.4172/2155-9872.1000e124>
2. Prasad A, Mahato K, **Maurya PK**, Chandra P. Nanobiosensors: Next Generation Point-of-Care Biomedical Devices for Personalized Diagnosis. *J Anal Bioanal Tech*, 2016, 7:e125. <http://dx.doi.org/10.4172/2155-9872.1000e125>

Patent filed:

Title	: Tea catechins and their use as anti-aging agents
Patent No	: 675/DEL/2009
Date of filing	:31/03/2009
Status	:Complete

Conferences:

1. **Maurya PK** and Rizvi SI. 8th Asia / Oceania Regional Congress of Gerontology and Geriatrics. Beijing. October 22nd -25th, 2007. China. **Received fellowship of \$500.**
2. **Maurya PK** and Rizvi SI. National Conference on “emerging trends in biochemistry and satellite symposium of the academy of environmental biology”. Allahabad. January 23rd- 24th, 2010. India.
3. **Maurya PK** and Rizvi SI. National Symposium on “emerging trends in biomedical sciences”. Dehradun. February 27th -28th, 2009. India.
4. **Maurya PK** and Rizvi SI. 3rd Uttarakhand Science & Technology Congress, Roorkee. November 10th -11th, 2008. India.
5. **Maurya PK** and Rizvi SI. Indian Ageing Congress-2006. 13th Biennial Conference of Association of Gerontology (India) and 4th Annual Conference of Indian Academy of Geriatrics. Bhubaneswar. December 22nd -24th, 2006. India.
6. **Maurya PK** and Rizvi SI. National Seminar on “New Strides in Microbiology, Biochemistry, Biotechnology & Agriculture Science”. Dehradun. February 3rd -4th, 2007. India.
7. **Maurya PK** and Rizvi SI. National Symposium & 1st UPACBICON, Aligarh. November 15th-16th, 2008. India.
8. **Maurya PK** and Rizvi SI. Society for Free Radical Research. A Satellite Meeting, New Delhi. February 11th -12th, 2008. India.

9. **Maurya PK** and Rizvi SI. 32nd Annual Conference of Association of Clinical Biochemists of India (ACBI). Patna. December 18th -21st – 2005. India.
10. **Maurya, PK**. 7th International Symposium of the International Society for the Development of Natural Products. Noida. November 15th – 17th, 2012. India.
11. **Maurya PK** and Kumar P. Global R & D Summit. New Delhi. 2013. India.
12. Arora A, **Maurya PK**, Sharma A. Protective role of l-ascorbic acid on erythrocytes subjected to oxidative stress during human aging. *New Biotechnology* 25, S2; 2009.
13. Sharma A, Arora A, **Maurya PK**. Protective effect of (–) epigallocatechin gallate against oxidative stress during erythrocyte aging in humans. *New Biotechnology* 25, S3; 2009.
14. Rahmawati E, **Maurya PK**, Kao AP, Chen HW, Tzeng CR. The biosignatures of human endometriosis with and without GnRH agonist treatment. *Fertility and Sterility* 100 (3), S362-S363; 2013.
15. Rahmawati E, **Maurya PK**, Kao AP, Chen HW, Tzeng CR. Tensin 1, MMP14, Caveolin 2, Neuritin 1 and ATP2A3 as a Candidate Panel Biomarker of Endometriosis. ACE 2014. 3rd Asian conference on endometriosis. October 24th – 26th, 2014. Songeui Medical Campus. The catholic University of Korea. Seoul, Korea.
16. Rahmawati E, **Maurya PK**, Kao AP, Chen HW, Tzeng CR. Down-regulation of Tensin 1 gene expression in human endometriotic tissue following GnRH agonist treatment. The fifth congress of Asia pacific initiative on reproduction. April 4th – 6th, 2014. Brisbane, Australia. (Awarded in best poster category).
17. Rizzo LB, Pedrini M, Asevedo E, Yamazaki JK, Graiff MZ, **Maurya PK**, Cassenelli AC, Cordeiro C and Brietzke E. The immenseness in early and late stage of Bipolar disorder 1. Society of Biological Psychiatry Annual Meeting. May 14th -16th, 2015. Toronto, Canada.
18. Levandowski M, Tractenberg S, Rizzo LB, **Maurya PK**, Brietzke E, De Nardi T, Wieck A, Grassi-Oliveira R. Telomere Length in Crack/Cocaine Use Disorder with Early Life Stress. *Neuropsychopharmacology*. 40: S592-S593; 2015.
19. Graiff MZ, Rizzo LB, **Maurya PK**, Gadelha A, Brietzke E. Cytokines Pro and anti-inflammatory cytokines in young guys at risk of mental state to develop schizophrenia and bipolar disorder. IV Congresso Clinica Psiquiatrica. March 31st – 2nd April, 2016. Sao Paulo, Brazil.
20. Rahmawat E, Yan WV, Le YP, **Maury PK**, Chen HW, Tzeng CR. GnRH α improves IVF outcome in women with endometriosis by increasing implantation marker

HOXA10, activating apoptosis and autophagy-related protein, and downregulating tensin 1 and neuritin 1. 2017 Annual Meeting of Taiwanese Society for Reproductive Medicine. 26-27 August 2017, Taipei, Taiwan.

Foreign Fellowships / Invitations / Awards:

- Awarded the **post-doctoral research fellowship** (2014-2016) in a special scheme of “**Science without Borders-Attraction of Young Talent**” **Level A** by Ministry of Education and Ministry of Science and Technology through their respective funding agency CAPES, Government of **Brazil**.

Title of Project: *Bio-signature of accelerated aging in mental disorder*

- Awarded the **post-doctoral research fellowship** (2011-2012) by Taipei Medical University, Taipei, **Taiwan**.

Title of Project: *Translational genomic approaches in endometriosis*

- "**Distinguished Service Award**" for outstanding contribution in the field of "Aging Research" by Society of Biological Science and Rural Development, Allahabad, India on the occasion of National workshop on "Recent Technologies for Food Security and Rural Development" held on February, 19-25, 2018.
- Nominated for **Indian National Science Academy (INSA) Young Medal Award** for the year 2013 & 2014.
- International travel grant of **500 USD** to attend 8th Asia / Oceania Regional Congress of Gerontology and Geriatrics. Beijing. October 22nd -25th, 2007. **Beijing, China**.
- Delivered invited talk at centre for food technology, University of Allahabad, Allahabad, India. (2009, 2010, 2013).
- Delivered invited talk at Institute of Life Sciences, Ahmedabad University, India (2013, 2014).
- Invited as external examiner to conduct practical exam of Biochemistry at SBS PGI, Dehradun, UK.
- Invited as external examiner at Allahabad Agriculture Institute Deemed University, Allahabad, India.