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| **C:\Users\hp 1\Desktop\sidharth sig, pic and thumb, other pic 2015\DSCN0778.JPG** | **Ramasare Prasad Yadav**  ***Indian Institute of Technology Roorkee*** | |  |
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| Contact Address | | **Prof. Ramasare Prasad Yadav**  **Professor & Ex- Head,**  Department of Biotechnology  ***Indian Institute of Technology Roorkee,***  ***Roorkee – 247 667, Hardwar,***  **Uttarakhand, India**  **Email:** [**rapdyfbs@iitr.ac.in**](mailto:rapdyfbs@iitr.ac.in)**; girish.chandra8@gmail.com**  Phone: 01332-286163, 01332-285791  Mobile: 9897080131 | |

1. **ACADEMIC QUALIFICATIONS:**

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| **B.Sc. (Hons) Chemistry** | 1982, First Div., **Chemistry** (Honrs), Banaras Hindu University, Varanasi, India. |
| **M. Sc. Biochemistry** | 1985, First Div., **Biochemistry**, Banaras Hindu University, Varanasi, India. |
| **M Phil/Pre Ph.D.** | 1987, First Div., Molecular Biology, Immunology, School of Life Sciences, Jawaharlal Nehru University, New Delhi, India. |
| **Ph. D.** | 1993, **Molecular Biology & Proteomics**, School of Life Sciences, Jawaharlal Nehru University New Delhi, India. (Supervisor- Prof. Alok Bhattacharya) |

1. **PROFESSIONAL EXPEREINCE IN TEACHING & RESEARCH: 30 yrs**

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| **Oct 23, 2012 – Continue** | **Professor** (PB-4, Rs 37,400- 67,000, AGP -10,500), Department of Biotechnology, Indian Institute of Technology Roorkee, India. |
| **January 1, 2012 – January 31, 2015** | **Professor & Head**, Department of Biotechnology, Indian Institute of Technology Roorkee, India. |
| **Feb 6th, 2007- Oct 22, 2012** | **Associate Professor** (PB-4, Rs 37,400- 67000, AGP- 9500), Department of Biotechnology, Indian Institute of Technology Roorkee, India. |
| **March 15th, 2001 – 5th Feb, 2007** | **Assistant Professor** (PB-4, Rs 37,400- 67,000, AGP 9000), Department of Biotechnology, Indian Institute of Technology Roorkee, India. |
| **April 24th 1996 - 14th March 2001** | **Assistant Professor** **(**PB-3 Rs. 15600-39100, AGP- 8000), Department of Biotechnology, Indian Institute of Technology Roorkee, India. |
| **March 1995 - April 1996** | **Scientist (**Rs. 8000-13500), School of Life Sciences,  Jawaharlal Nehru University, New Delhi, India. |
| **May 1994 - Feb 1995** | **Research Associate** (Rs.8000 fix), Department of Biochemistry, Allahabad University. |
| **Dec.1993 - April 1994** | **Post Doctoral Research Fellow** (Rs.8000fix), School of Life Sciences, Jawaharlal Nehru University, New Delhi, India. |
| **January 1989 - Nov 1993** | **Senior Research Fellow,** School of Life Sciences, Jawaharlal Nehru University, New Delhi, India. |
| **July 1986 - Dec.1988** | **Junior Research Fellow,** School of Life Sciences, Jawaharlal Nehru University, New Delhi, India. |

**3. TEACHING & RESEARCH ACTIVITIES: ~ 30 Years**

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| 1. **TEACHING** | **20 Years** |
| * Nearly past 20 years after joining the institute actively involved in framing and teaching of UG and PG courses likes: BT515-Cell & Molecular Biology; BT-610 Genomics & Proteomics; BT-608 Molecular Diagnostics & Therapeutics and BT-613 Biotechnology Laboratory Course and Major and Minor Project courses. BT-101 Fundamental of Biotechnology (institute core) & Immunology. | |
| * Set up Molecular Biology Laboratory and kept added new relevant molecular Biology practical time to time. | |
| * Being representative of BOS for many years actively involved in revision of B.Tech. Biotechnology (UG) and M.Sc. Biotechnology (PG) program and course content time to time. | |

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| 1. **RESEARCH ACTIVITIES** | **30 Years** |
| * **Area of Specialization** | **Biotechnology,**  **Molecular Biology & Proteomics** |
| * **Research Interests:** Major research activities are | |
| ***I. Molecular Biology & Proteomics of Infectious diseases:*** *Genomics & proteomics of yeast and biofilm forms of pathogenic fungi using 2D-PAGE and mass spectrometry, identification of candidates genes involved in pathogenesis & biofilm formation, functional validation canddiates genes using RNAi, microRNA, anti-biofilm drug discovery, identification of immunodominat antigens for diagnostic and vaccine development.* | |
| **II. *Molecular study of Abiotic Stress :*** *The main emphasis is on cloning , expression and characterization of enzymes involved in osmotic regulation ( e.g. NADP-S-6PDH) and anti-oxidative enzymes ( SOD) from plants, functional validations of important candidate genes by RNAi technology and their role in abiotic stress tolerance.* | |
| **III. Bio-therapeutics and Bio-Prospecting (*Biologically Active Plant Products):*** *Isolation, purification and characterization of therapeutic proteins and other molecules having antimicrobial (antibacterial & antifungal activities), anti-oxidative and immuno-modulatory activities from plants, Biologically active components coated nano-particles development, evaluation of biological activities and toxicological effects of active biomolecules using standard in vitro and cell based in vitro & in vivo assays.* | |
| **(C) RESEARCH GUIDANCE** **/SUPERVISION** | |
| * Ph.D. Theses supervised | 20 |
| * Ph.D. Theses submitted | **01** |
| * Ph.D. Theses in progress | **07** |
| * M.Sc. /B.Tech. Dissertations supervised | **55** |

**(D) SPONSORED RESEARCH PROJECT EXICUTED**

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| **S.N.** | **Title of Project** | **Funding**  **Agency** | **Amount**  **(Laks)** | **Duration** |
| 1. | Molecular changes in structural and enzymic proteins of cell wall of higher plants under salinity stress | UPCST, | **2.6** laks, | 2 years (1997-1999)  Completed |
| 2. | Identification and characterization of GPI-anchored proteins.**,** Completed | CSIR | **5.5 laks** | 2 years (1999-2001)  Completed |
| 3. | Identification and characterization of salinity stress induced proteins from *Arachis hypogea*. | UGC | **6.5** laks | 3 years(2000-2003)  Completed |
| 4. | Candida Biofilms: Molecular analysis of its formation and control | DBT, | **16.40** laks | 3 years (2003-2006)  Completed |
| 5. | Biofortification of wheat for micronutrients through conventional and molecular breeding approaches. | DBT | **89 laks** | 5 years (2006-2011)  Completed |
| 6. | Functional genomics for validation of candidate genes for improvement of rice | DBT | **59.36 laks** | 3 years (2009-2012)  **In progress** |
| 7. | Ferulic acid Production from weeds | MHRD | **10 laks** | 3 years (2010-2012)  **In progress** |
| 8. | Antibiofilm actvities of flavanoids from citrus fruits on intruterine devices infected with Candida albicans | ICMR | **20 laks** | Sanctioned 2015 |
| 9. | Development of Engineered Microalgae for Enhanced Lipid Accumulation | DBT | **71.68** **laks** | 2015-2019 |
| 8. | Development of kit for Urea detection in Milk | Consultancy | **1 Lak** | (2005) completed |

**4. OTHER ACTIVITIES AND RECONGNITIONS:**

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| 1. **SCHOLARSHIPS/PRIZES AWARDED:** |
| * National Merit Scholarship 1979-1982 |
| * CSIR/NET Qualified 1987 |
| * GATE Qualified 1986 |
| * **Post Doctoral Fellowship 1992**, offered by Prof Wilmont, Department of Cell & Molecular Biology, University of Georgia, Athen, Atlanta, USA (not availed) |
| * **Post Doctoral Fellowship 1993**, offered by Prof Peter A. Brestcher, Department of Biotechnology, University of Saskechwan, Sasktoon, Canada ( not availed) |
| 1. **MEMBERSHIP OF PROFESSIONAL SOCIETIES:** |
| 1. Indian Immunological Society-Member |
| 1. Indian Immunological Society-Member |
| 1. Society of Microbiologist, India |
| 1. Society for Biological Chemist of India- Life member |
| 1. **Fellow International Society of Bio-Technology** |
| 1. **VISIT & PARTICIPATION IN INTERNATIONAL CONFERENCES ABROAD:** |
| Short term academic visit and participation in conferences such as:, Spain, Malasiya, Taiwan, China, UK, Germany, France and Japan |
| 1. **REVIEWER & MEMBER EDITORIAL BOARDS FOR VARIOUS JOURNALS:** |
| 1. Reviewer Indian Journal of Microbiology (Springer publication)  2. Reviewer International Journal of Pharmaceutics, USA, (Elsevier publication)  3. Reviewer Iranian J. of Pharmacology & Therapeutics; Iran,   1. Reviewer Indian J. Experimental Biology. 2. Reviewer Bioremediation Journal, Taylor & Francis Group 3. Member Editorial Board Journal of Environment & Energy, India.   7. Member Editorial Board, International Research J. of Biotechnology.  8. Member Editorial Board, International Journal of Medical Sciences & Technology (ISSN:0974-5343  9. Member Editorial Board, International Journal of Life Sciences & Technology (ISSN:0974-5335)  10. Member Editorial Board, Shobhit University Journal of Interdisciplinary Research |
| 1. **MEMBER/ CHAIRMAN OF VARIOUS COMMITTEE OF OTHER INSTITUTIONS:** |
| 1. Expert Member Biotechnology Departmental Academic Committee, NIT Raipur (Nov 2014 onwards)  2. Expert Member Biotechnology Departmental Visiting Committee, NIT Raipur ( Nov 2014 onwards)  3. Member Board of Studies, Department Biotechnology , NIT, Allahabad  4. Member Board of Studies, Department Biotechnology , NIT, Allahabad  5. Member Board of Studies, Department Biotechnology , MIT Gwalier  6. Expert Member, Uttarakhand Biotechnology Council, 2014 onwards  7. Chairman, Institute Ethics Committee, AIIMS , Rishikesh , 2012 onwards |
| 1. **COLLABORATION WITH OTHER INSTITUTTIONS** |
| **National collaborative research activity:** (Active collaborative research activity with various institutions like centre for molecular medicine JNU, New Delhi, National plant Genome research Institute, New Delhi; School of Life sciences, JNU, Delhi Univ, NII, IARI, New Delhi. |
| **International collaborative research activity:** Research collaboration Prof. S. Prakash, MacGill University, Canada. University of Windsore ,Ontario, Canada; Joint research collaborative activity with Prof Gunnel Dhalhammar, Dept of Biotechnology, Royal Institute of Technology, Sweden, is also in process). |
| **7. EVALUATIONS OF THESIS & PROJECTS REVIEW** |
| 1**.** Have done PhD evaluation of various institute viz Lucknow University, BHU, JNU, IIT Guwahati, NIT Allahabad, Panjab University, Uttarkhand Technical university, IIT Delhi, AIIMS, GBPUAT, UPTU etc  2. Involved as expert for evaluation of various projects from DBT, DST, CSIR , ICMR etc at to time. |

**5. ADMINISTRATIVE RESPONSIBILTIES:**

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| **DEPARTMENT LEVEL** |  |
| * Head , January 2012 to January 31, 2015 | |
| * Chairman , Department Purchase Committee, January 2012 to January 31, 2015 | |
| * O.C. Store and Purchase , O.C. Bldg & maintenance for almost 13 years ( 1996 up to 2008) | |
| * Chairman/Member DRC and DAC, DFC & DPC, | |
| * Chairman , Department Administrative Committee, January 2012 to January 31, 2015; * Coordinator Department UG and PG Studies. O.C. for various department central research facilities | |
| * Preparation of department annual reports, and DBT funded M.Sc. annual reports from last several years. | |
| **INSTITUTE LEVEL** |  |
| * Head of Department January 2012 - January 31, 2015 | |
| * Executive Member Senate January 2012- January 31, 2015 | |
| * Member Senate 2012 onwards ; Member board of studies since 1996 , Representative alumni assocn, | |
| * Staff advisor for Philately section of Hobby Club since 2009-11 | |
| * Involved in JAM and GATE paper as member and also as chief paper setter time to time, | |
| * Chairman, Institute Animal Ethics Committee 2010 onwards | |
| * Chairman , Department Administrative Committee, January 2012 to January 31, 2015; | |
| * Organization of several international conferences / symposia as Chairman | |

**6. LIST OF PUBLICATIONS:**

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| **Paper Published** | **62** |
| **Communicated** | **08** |
| **Paper presented in Symposia and Conferences** | **60** |
| **Total** | **123** |

**PUBLICATIONS: (123)**

**(A) List of Publications in Journals:**

1. Bhattacharya, A**., Ramasare Prasad** and David Sacks **(1992).** Identificationand characterization of a Lipophosphoglycan like molecules from a pathogenic strain of *Entamoeba hystolytica*. **Mol**. **and Biochem. Parasitol**. **56, 161-168.**

2.   **Ramasare** **Prasad,** Tola, M., Bhattacharya, S., Sharma, M.P. and Bhattacharya, A. (1992)**.** Recognition of Entamoeba lipophosphoglycan by monoclonal antibody specifically recognizing pathogenic strain. Mol. and **Biochem**. **Parasitol**. **56, 279-288.**

3.   Bhattacharya, A.,Gildayal, R**., Prasad R.,** Bhattacharya, S. and Diamond, L.S**. (1992).** Modulation of a surface antigen of *Entamoeba histolytica* in response to bacteria. **Infect. and Immun., 60, (4), 1711-1713.**

4.   Bhattacharya, A., Bhattacharya, S**., Ramasare Prasad** and Gildayal, R**. (1993).** Cell-surface lipophosphoglycan of *Entamoeba hystolytica*. **Proc. Natl. Sci. Acad., India, 25, 135-145.**

5.   Prasad, R., Krishnamurthy, S., Vinita, G. and Prasad**, Ramasare (1995).** Multidrug resistance in *Candida albicans*. **ACTA Biochemica Polonica. 42 (4), 145-152.**

6**.** Krishnamurthy S, Chatterjee U, Gupta V**, Prasad R,** Das P, Snehlata P, Husnain S E and Prasad R **(1998).** Deletion of transmembrane domain of CDR1, a multidrug transporter from Candida albicans, leads to alter drug specificity: \_expression of a yeast multidrug transporter in baculovirus \_expression system **Yeast, 14, 535-550.**

7. **Prasad R**, Krishnamurthy S, Gupta V, Snehlata P**,** Prasad R**. (1998).** Expression of CDR1, a multidrug resistance gene of Candida albicans: Transcriptional activation by heat shock, drugs and human steroid hormones. **FEMS Microbiol., 160 (2), 191-197.**

8. Huchinson TE, Kumar P, **Prasad R** and Pereira BMJ **(2000).** Identification strategy for glycosyl-phasphatidyl inositol (GPI) anchored proteins from goat epididymalsperm. **Int. J. Urology, 7(spl), S-73.**

9. **Prasad R** and Srivastva V **(2000).** Molecular and biochemical changes in *Arachis hypogea* under salinity stress.**Chinease J. Biochem. and Mol. Biol., 15, Oct (spl ) , 63.**

10. Gaur M, Srivastva N**, Prasad R,** Pereira BMJ **(2000).** Evidence for the ionic modulation of beta-galactosidase purified from goat epididymis. **J Anim. Morphol and Physiol, 47 (1&2), 25-32.**

11. Gaur M,Pruthi V**, Prasad R,** Pereira BMJ **(2000).** Induced coupled plasma (ICP) emission spectroscopic and flame photometric analysis of goat epididymal luminal fluid. **Asian J. Androl., 2(4), 288-292.**

12. **Prasad R (2000).** Recognition of immunodominant antigens from *Mycobacterium smegmatis* by polyclonal monospecific antibodies and their cross reactivity with other species. Proceedings 5th international meeting on Molecular epidemiology and evolutionary genetics of infectious diseases (MEEGID), Hyderbad, India. **J. Infection Genetics and Evolution. (spl) abstract-56, P-35.**

13**. Prasad R,** Yadav G **(2001).** A 75 kDa highly immunodominant antigen from *M. smegmatis*, its cross reactivity with other species. **Ind . J. Exp. Biol. 39, 255-262.**

14. **Prasad R (2001).** Molecular relationship among different mycobacterial species based on immuno cross reactivity, 2-D fingerprints of whole proteins and nucleic acid hybridization. Recent Advances in Molecular Biology, Allergy and Immunology. Edited by . Ramchand C.N., MPN Nair and Bonny Pilo, SUN PHARMA Pvt Ltd, and State university New York Baffalo, USA. Allied Publishers, P50-64.

15. Garg DK **and Prasad R (2001).** The study of chemical constituent in silken styles of corn (Zea maize). A clinical review. **Adv. In Biosc, 40, 1-8.**

16. Huchintion TE, Dwivedi K, Rastogi A, **Prasad R,** Perieira BMJ **(2002).** N-acetyl D-glucosaminidase is not attched to human sperm membrane through the glycosylphosphatidyl inositol (GPI)-anchore. **Asian J Androl., 4, 24-33**.

17. Pereira BMJ, Pruthi V**, Prasad R (2001).** Exploring the potential of herbal drugs for the development of the pharmaceutical sector in the state of Uttaranchal. Proc. All India Seminar on infrastructural development in Uttaranchal, problem & prospects. pp-172-183.

18. Huchintion TE**, Prasad R,** Pereira BMJ **(2002).** GPI-anchored molecules shelter sperm from macrophages. Proceedings SRBCEXX ,2001.

19. Pereira BMJ and **Prasad R (2001).** Herbalism: The next generation reproductive biomedicine. **J. Endocrinol. Reprod. 5: 40-50.**

20. Parveen,S, Gupta,A D and **Prasad R (2003).** Isolation and purification of arabinogalactan proteins (AGPs) and like molecules from *Catharanthus roseus* and its antifungal potentials. In Proceedings of National Symposium on Biochemical Sciences, Health and Environmental aspects. Ed by Satya Prakash , Allied Publishers PVT Limited, Agra, India , **(2003), 391-394.**

21. Parveen, S. and **Prasad, R**. **(2005).** Antimicrobial potentials of *Thymus vulgaris*. In Proceedings of the 7th National symposium on Biochemical Engineering & Biotechnology , IIT Delhi, March 11-12, 2005, **pp -6-7.**

22. Hutchinson, T.E., Rastogi, A., **Prasad, R.** and Pereira, B.M.J. **(2005).** Phospholipase-C sensitive GPI-anchored proteins of goat sperm: possible role in spermprotection**. Animal Reproduction Science**, 88, 271-286.

23. Seema Parveen and **Ramasare Prasad (2005)** Antimicrobial Potential of Arabinogalactan Proteins (AGPs) like Molecules from *Nerium oderum* leaves. **Glycoconjugate journal, Vol 22, 261-262.**

24. Garima, S, Pereira, B.M.J, and **Ramasare Prasad (2006).** Degradation of polyethylene film strips by soil fungal isolates. In Modern Multidisciplinary Applied Microbiology: Exploring Microbes and their Interactions. Mendez-Vilas, Antonio (ed), Wiley-VCH, Weinheim Publication. PP- 500-506.

25. Parveen, S., Gupta, A.D., **Prasad, R**. **(2007).** Arabinogalactan protein from *Arachis hypogaea* : role as carrier in drug-formulations, ***International Journal of Pharmaceutics.* 333, 79-86.**

26. Sharma NK, Dey S, **Prasad R. (2007).** *In vitro* antioxidant potential evaluation of *Euphorbia hirta. Pharmacology online 1:91-98****.***

27. Parveen, S., Gupta, A.D., **Prasad, R,**. **(2007).** A 53 kDa immunomodulatory protein from the leaves of *Nerium odorum*. **Allergy**, **62 (suppl 83), 259-260.**

28**.** Singh R.K., Sharma N.K., **Ramasare Prasad** & Singh U.P. **(2008).** DNA cleavage study using Copper (II)-GlyAibHis: A tripeptide complex based on ATCUN peptide motif. **Protein & Peptide Letters**, **15**, pp-000-000(in press).**)**

29.Sharma N.K., **Ramasare Prasad** **(2008).** Protective effect of a phenolic fraction from *E hirta* against oxidative damage of macromolecules. **J. Biotechnology,** 6, 56-60. (**elsevier**).

30. Manish Rana, Gopal Gupta, **Ramasare Prasad**(2009) Purification and characterization of sperm motility stimulatory protein from goat follicular fluid. ***Asian Journal of Andrology*.** doi: 10.1038/aja.2009.39.

35. Singh A. and **Prasad, R**. (2009) Salt stress effects growth and cell wall bound enzymes in *Arachis hypogaea* L. seedlings. **International Journal of Integrated Biology,**  7: 117-123.

36. Mathur G, Mathur, A, **Prasad R** (2010) Isolation of Aspergillus fumigatus(ITCC no. 6050) from plastic waste dumpsite, with the ability to adhere and degrade High Density Polyethylene (HDPE) in submerged medium”. **International Journal of Environmental Sciences and Engineering Research, 1(1): 30-37.**

37. Rana M. and **Prasad** **R.** (2011)*,* Chemotaxis: role in egg-sperm interaction and its evaluation.  *Research & Reviews:* ***A Journal of Biotechnology****, 1, 1-21.,*

38. Garima Mathur, Ashwani Mathur, **Ramasare Prasad** (2011), Colonization and Degradation of Thermally Oxidized High-Density Polyethylene by Aspergillus niger (ITCC No. 6052) Isolated from Plastic Waste Dumpsite. **Bioremediation Journal, 15(2): 69–76, 2011. (**Taylor & Francis Group Publication, UK), **Impact Factor: 2.1**.

39. Awasthi A, Paul P, Kumar S, Verma S. Kumar., **Prasad R**., Dhaliwa H.S. (2012). Abnormal endosperm development causes female sterility in rice insertional mutant OsAPC6. **Plant Science**, **183, 167–174** (**Impact factor- 2.481**)

40. Neelam K., Rawat N., Tiwari V.K., Prasad R., Tripathi S.K,. Randhawa G.S and Dhaliwal H.S. (2012). Evaluation and Identification of Wheat-*Aegilops* Addition Lines Controlling High Grain Iron and Zinc Concentration and Mugineic Acid Production. **Cereal Research Communications *40(1), pp. 53–61 (DOI: 10.1556/CRC.40.2012.1.7****)* (**Impact factor**. 1.19)

41. Priyanka Paul, Anjali Awasthi, Amit Kumar Rai, Santosh Kumar Gupta, **Ramasare Prasad**, H.S.Dhaliwal, T.R.Sharma (2012). A rice homolog of *elf1* controls tillering in *OsTEF1* insertional mutant of rice, **Functional and Integrative Genomics**. **12:291–304** DOI 10.1007/s10142-012-0264-5 ( **Impact factor**. 3.83)

42. Garima M.and **Prasad R. (2012).** Degradation of polyurethane by Aspergillus fumigatus (ITCC 6051) isolated from soil. Applied Biochemistry and Biotechnology, DOI:10.1007/s12010-012-9572-4 (Springer Publication). **Impact Factor**: 1.879 (2010)

43.Sharma N K and **Prasad Ramasare** (2012). Protective effect of a glycosides enriched fraction (GAM) from *Aegle marmelos* leaves on oxidative damage to biomolecules**. Journal Environmental Research and Development.** (accepted**)**

44.Sunity Singh, **Ramasre Prasad**, Kazal Pathania, Himanshu Joshi **(2012).** Antifungal activity of *Plumbagin* & *Isodiospyrin* from *Diospyros kaki* root bark. **Asian Journal of Plant Science and Research, 2 (1):1-5.**

45. Priyanka P, Awasthi A, , Rai A K, Gupta S K, **Prasad Ramasare**, Sharma T.R. Dhaliwal H. S (2012) Reduced tillering in Basmati rice T-DNA insertional mutant OsTEF1 associates with differential expression of stress related genes and transcription factors. **Functional & Integrative Genomics 12(2):291-304** · Impact Factor: 2.48 ·  DOI: 10.1007/s10142-012-0264-5 · Source: [PubMed](https://www.researchgate.net/deref/http%3A%2F%2Fwww.ncbi.nlm.nih.gov%2Fpubmed%2F22367482" \t "_blank)

46. Awasthi A, Paul P, Rai A K, Gupta S K, **Prasad Ramasare**, Dhaliwal H. S., Sharma T.R. (2012), Transcriptome analysis of a Basmati rice mutant OsAPC6 provides an insight into the role of APC6 in GA-signaling, Functional and Integrative Genomics (Impact factor. 3.83).

47. Priyanka Paul, Anjali Awasthi, Satish Kumar, Shailendra Kumar Verma, **Ramasare Prasad**, H.S.Dhaliwal ,(2012) Development of multiple embryos in polyembryonic insertional mutant *OsPE* of rice, **Plant Cell Rep 31 (10), 1779-87**. ·**DOI 10.1007/s00299-012-1291-3 (Impact Factor**: 2.279, 2010)

48. Kumari Neelam, Nidhi Rawat,Vijay K. Tiwari,, Nikita Ghandhi, Patokar Chetan Arun, Sundip Kumar, Sangharsh K. Tripathi, Gursharn S. Randhawa , **Ramasare Prasad** ,and Harcharan S. Dhaliwal (2013). Development and Molecular characterization of wheat *Aegilops longissima* derivatives with high grain micronutrients. **Australian Journal of Crop Science,** 7(4):508-514  **(Impact Factor**: 1.63, 2011).

49.Kumar S, Sing A K, **Prasad Ramasare** (2012), Herbicides (2, 4-Dichlorophenoxy Acetic Acid, Isoproturon) and its Interaction with *Triticum aestivum* L. Alone and in Combination. **Research Journal of Biotechnology** 7(4)232-249 (I.P 0.262, 2013)

50. Alok Jha, **Ramasare Prasad (2013)** Substrate based inhibitor of Straberry Dioxygenase: Homology Model. International Journal of Scientific and Research Publications, Volume 3, Issue 11, ISSN 2250-3153

51. Alok Jha, **Ramasare Prasad (2013)** Straberry Dioxygenase: Vorapaxar A model for antiplatelet therapy. IORS:JPBS; 8, 3: 24-32.

52. Suma C. Pemmaraju, Parul A. Pruthi**, Ramasare. Prasad** and Vikas Pruthi**, 2013.** *Candida albicans* Biofilm Inhibition by Synergistic Action of Terpenes and Fluconazole. **Indian Journal of Experimental Biology**. **51**, 1032-1037.

53. Rajbala Yadav & **Ramasare Prasad** (**2014)** . Identification and functional characterization of sorbitol-6-phosphate dehydrogenase protein from rice and structural elucidation by in silico approach. **Planta, , 240, 223-238**. **(Impact Factor**: 3.38)

54. Saroj S, Kumar K, Pareek N, Prasad R, Singh R P ( 2014 ). Biodegradation of azo dyes Acid Red 183, Direct Blue 15 and Direct Red 75 by the isolate *Penicillium oxalicum* SAR-3. *Chemosphere* 107, 240-248. **IF : 3.634**

55. [Kakoli Banerjee](http://scitation.aip.org/search?value1=Kakoli+Banerjee&option1=author&noRedirect=true) and [**Ramasare. Prasad**](http://scitation.aip.org/search?value1=R.+A.+Prasad&option1=author&noRedirect=true) **(2014),** A new technique in reference based DNA sequence compression algorithm: Enabling partial decompression. **International Conference of Computational Methods in Sciences and Engineering 2014** (ICCMSE2014), Top of Form

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AIP Conf. Proceedings. 1618, 799; April 4–7 (2014), Athens, Greece . <http://dx.doi.org/10.1063/1.4897853>

56. Kakoli Banerjee and **Ramasare Prasad** **(2015**) **New** Method for Inter Chromosomal Sequence Compression. **International Journal of Engineering Technology, Management and Applied Sciences** 3, (5), 188-193. (Impact Factor 2.24 www.ijetmas.com , ISSN 2349-4476).

57. Alok Jha and **Ramasare Prasad** (2015), Partial purification and structure prediction of salinity induced NADP dependent sorbitol-6- phosphate dehydrogenase from groundnut. **Int. J. of Sc. Res. 4 (11), 18-20.** (I.F. 3.24).

58. Alok Jha and **Ramasare Prasad** (2016) Cholesterol binding to the carotenoid binding site in Straberry Dioxygenase. **I. J. of Appl. Res., 6 (2), 9.12. (I.F.3.9).**

59. [Suma C. Pemmaraju](https://www.researchgate.net/researcher/71643851_Suma_C_Pemmaraju),  [Parul A. Pruthi](https://www.researchgate.net/researcher/66642596_Parul_A_Pruthi), **[Ramasare Prasad](https://www.researchgate.net/researcher/2042169027_R_Prasad),**[Vikas Pruthi](https://www.researchgate.net/researcher/14179763_Vikas_Pruthi) **(2016),** Modulation of Candida albicans Biofilm by Different Carbon Sources **Mycopathologia** **Impact Factor: 1.53 · DOI: 10.1007/s11046-016-*9992*-8.**

60. Alok Jha and **Ramasare Prasad (2016)**. Structural Features of Strawberry Dioxygenase by Homology Modeling **Global J. Res. Analys. 5(1), 59-62. ISSN No 2277 - 8160 (IF 3.12)**

# 61. Shailender Kumar Verma, Satish Kumar, Imran Sheikh, Sachin Malik, Priyanka Mathpald, Vishal Chugh, Sundip Kumar, Ramasare Prasad and Harcharan Singh Dhaliwal (2016). Transfer of useful variability of high grain iron and zinc from Aegilops kotschyi into wheat through seed irradiation approach. International Journal of Radiation Biology, http://dx.doi.org/10.3109/09553002.2016.1135263.

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