

Employee No. 18568



1. Name : (first name) PARIMAL (middle name) (surname) DAS
2. Designation: PROFESSOR
3. Academic Qualifications: PhD

| Sr. | Degree | Institution | Year |
|-----|--------|-----------------------------------|------|
| | B.Sc | University of North Bengal, India | 1984 |
| | M.Sc. | Banaras Hindu University, India | 1986 |
| | Ph.D. | Banaras Hindu University, India | 1993 |

4. Area of Specialization: (brief writeup, 200 words)

Research Interest:

Human molecular Genetics, Developmental Genetics, Neurogenetics, Cytogenetics, Spermatogenesis, Cancer Genomics and Proteomics

- (1) Mapping, identification and characterization of human disease genes
- (2) Identification of novel candidate genes for cancer therapeutics
- (3) Identification and characterization of novel protein-protein interaction underlying human diseases with special reference to Parkinsonism.

5. Contact Information: Parimal Das, Ph.D
Professor & Coordinator

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6. Projects Undertaken as PI/ Co PI:

| S. No | Name of the project | Duration | Source of Funding | Amount of Funding (Rs) |
|-------|--|-----------|-------------------|------------------------|
| 1. | Genetics of tooth Development: Genes underlying tooth agenesis in human Role: PI | 2010-2013 | DBT | 4500000.00 |
| 2 | Prevalence and predictors of vitamin B12 deficiency: genetic associations for low B12 levels- multicentre a pan Indian study Role: Co-PI | 2016-2019 | DBT | 49600000.00 |
| 3. | Genetics of Dilated Cardiomyopathy; Role: Co-PI | 2016-2019 | DBT | 12300000.00 |
| 4. | Chromosomal and Molecular Genetic analysis of Facial Disorders” - XI Plan Research Grant for New Faculty- From University Grants Commission, Govt. of India. Grant amount Role: PI | 2010-2013 | UGC | 270000.00 |
| 5. | Genomics of Polycystic Kidney | 2012-2013 | UGC-UPE | 200000.00 |

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|-----------|--|-----------|-----------|----------|
| | Disease – UGC-UPE Seed Grant Role: PI | | | |
| 6. | In House Preparation of low cost Taq DNA Polymerase Role: PI | 2012-2013 | DST-PURSE | 77000.00 |

7. Awards/ Recognitions if any:

1. Awarded National Merit Scholarship, Dept.of Education, Govt. of INDIA (1978-1983)
2. Awarded National Merit Scholarship, Dept.of Education, Govt. of INDIA (1983-1986)
3. Awarded National Merit Scholarship, Special Assistance Program of University Grants Commission, Government of India (1984 -1986)
4. Junior Research Fellowship from Department of Science & Technology (DBT), Govt.of India (1987-1991)
5. Senior research Fellowship from University Grants Commission (UGC), Govt. of India (1991-1993)
6. Post doctoral research fellowship from DBT/NIH collaborative project (1994-1997)
7. Post doctoral fellowship (May, 1998 – June, 2004) from NIH

8. List of 10 major Publications: (in order of importance):

(1) Stockton D W*, **Das P***, Goldenberg M, D'Souza R N and Patel P I (2000) Mutation of PAX9 is associated with oligodontia. **Nature Genetics 24:18-19**

** Equal contributor first author*

(2) **Das P**, Stockton D W, Bauer C, Shaffer L G, D'Souza R N, Wright J T and Patel P I (2002) Haploinsufficiency of PAX9 is associated with autosomal dominant hypodontia **Human Genetics, 110:371-376**

(3) **Das P**, Hai M, Elcock C, Leal S M, Brown D T, Brook A H and Patel P I (2003) Novel missense mutation and a 288-bp exonic insertion in PAX9 in families with autosomal dominant hypodontia. **American Journal of Medical Genetics, 118A: 35-42**

- (4) Goldenberg M, **Das P**, Messersmith M, Stockton D W, Patel P I and D'Souza R N (2000) Clinical, radiographic and genetic evaluation of a novel form of autosomal dominant oligodontia. **Journal of Dental Research**, **79:1469-1475**
- (5) Tarpey P, Pemberton T, Stockton D, **Das P**, Ninis V, Edkins S, Futreal P A, Wooster R, Kamath S, Nayak R, Stratton M and Patel P I. (2007) A novel Gln358Glu mutation in Ectodysplasin A associated with X-linked dominant incisor hypodontia. **American Journal of Medical Genetics 143A: 390-394**
- (6) Lucas R E, Vlangos C N, **Das P**, Patel P I and Elsea SH (2001) Genomic organization of the ~1.5 Mb Smith-Magenis syndrome critical interval: Transcription map, genomic contig, and candidate gene analysis **European Journal of Human Genetics**, **9:892-902**
- (7) Senapat S, Thakur R, Verma SP, Mishra DP, **Das P**, Sripathi T, Kumar M, Rana D and Maiti P (2015) Layered double hydroxide as effective carrier for anticancer drugs and tailoring of release rate through interlayer anions. *Journal of controlled release*. January 2016. DOI: 10.1016/j.jconrel.2016.01.016. IF 7.71
- (8) Sarker T, Bansal R and **Das P** (2014) Whole genome sequencing reveals novel non-synonymous mutation in Ectodysplasin A (EDA) associated with non-syndromic X-linked dominant congenital tooth agenesis. **PlosOne**. 10.1371/journal.pone.0106811 (IF3.23)
- (9) Verma SP, Sishodia S and **Das P** (2015) Aqueous component of anticancer drug CRUEL capsule induces anti-proliferative effect in Renal cell carcinoma. *APJCP*, 2015(8419-23), 1513-7368. IF 2.5
- (10) Halder T, Raj Janak, Sharma V and Das P (2015) Novel P-TEN-induced putative kinase 1 (*PINK1*) variant in Indian Parkinson's disease patient. **Neuroscience Letters** 605: 29-33 (IF 2.02)

9. Additional Information/ Achievements:

Invited Talks:

- (1) **Next Generation Sequencing:** Its application in human health and diseases Workshop on Maternal and Newborn Care: Issues and challenges, March 1-7, 2017 organized by Institute of science, Banaras Hindu university, Varanasi
- (2) **PRCC_TFE3 fusion protein regulated transcriptome profiling and protein-protein interaction in renal cell carcinoma:** Symposium on "Gene-Environment interaction in development, disease and Evolution" held at Banaras hindu University during March 5-6, 2017

- (3) **Genetics of Hypodontia: Unraveling the cause of human tooth agenesis- from mouse to man:** 29th ISDR Conference, from Dec 9-11, 2016 organized by King George's Medical University, Lucknow
- (4) **Genetics of Paediatric solid tumors:** Updates of Paediatric solid tumors, June 25, 2016 organized by Department of Paediatric Surgery, institute of Medical Sciences, Banaras Hindu University, Varanasi
- (5) **Deciphering Human Genetic Disorder : from Mouse Model to Computational Modeling:** QIP Short term Course on "Computational Biology and Neuroscience" from June 13-18, 2016 organized by Department of Computer Science & Engineering, Indian Institute of Technology, Banaras Hindu University, Varanasi
- (6) **Gene expression analysis in Neurodegenerative disease model:** QIP Short term Course on "Computational Biology and Neuroscience" from June 13-18, 2016 organized by Department of Computer Science & Engineering, Indian Institute of Technology, Banaras Hindu University, Varanasi
- (7) **Genetics of Tooth Agenesis in Human: Application of Next generation Sequencing Accelerating the scope for *In vitro* and *In Silico* Research** at National Symposium on Animal and Alternatives in Life science Research & Annual Convention of Laboratory Animal Science Association of India (LASAI), February 16-18, 2014 organized by Department of Zoology, Banaras Hindu University, Varanasi
- (8) **Effect of Indian Traditional Ayurvedic formulation on Mouse model of Parkinson's disease** at National Symposium on Animal and Alternatives in Life science Research & Annual Convention of Laboratory Animal Science Association of India (LASAI), February 16-18, 2014 organized by Department of Zoology, Banaras Hindu University, Varanasi
- (9) **Decoding the cause of human tooth agenesis:** from mouse to Man at International Symposium on Developmental and Complex Disorders & 38th Annual Conference of the Indian Society of Human Genetics: Genomics and Community Health, December 9-11, 2012, Organized by, Banaras Hindu University, Varanasi
- (10) **Genetic Diversity in Indian populations:** Implications in health and Disease at National Seminar on Biodiversity and Sustainable Development & Sesquicentennial Birth-year Celebration of Acharya Prafulla Chandra Ray, January 10 -11, 2011, organized by Raiganj College(University), Raiganj, Uttar Dinajpur, West Bengal
- (11) **Human Genetic Disorders** at National Seminar on Biodiversity and Sustainable Development & Sesquicentennial Birth-year Celebration of Acharya Prafulla Chandra Ray, January 10 -11, 2011, organized by Raiganj College(University), Raiganj, Uttar Dinajpur, West Bengal

PROFESSIONAL EXPERTISE:

Cell Biology Techniques:

Cell separation, Cellular autoradiography,

Molecular Biology Techniques:

Gel electrophoresis (Agarose, Acrylamide, Agarose-Acrylamide composite), Bacterial transformation, cosmid, BAC, PAC isolation, Genomic DNA isolation and Southern blotting, RNA isolation and Northern blotting, DNA sequencing, Molecular Cloning, Nuclear run on/off assay, Electrophoretic mobility shift assay (EMSA), Western blotting, Genomic and cDNA library screening, PCR, RT-PCR, Pulse – field gel electrophoresis, Microsatellite typing

Cytogenetics Techniques:

Preparation of mitotic and meiotic chromosomes, **Fluorescent In Situ Hybridization (FISH)**, **RNA In Situ Hybridization (RISH)**, Human chromosomes karyotyping, G-C and H band analysis in patient (with different syndrome like Down's etc) karyotypes

Cell culture techniques:

Long term (Primary and fibroblasts) and short term tissue cultures (including lymphocyte culture of patients with different syndromes, Transient transfection assay

Cancer Genomics Techniques:

Human Comparative Genomic Hybridization (**CGH**) using high resolution BAC clones spotted on glass slides (**DNA micro array**), Comparative gene expression profiling using human cDNA and oligo array spotted on nylon membrane and subsequent analysis using Software GE Suite

Transgenic Mouse Modeling: Making transgenic mouse (cDNA and BAC) and knock out mouse model for human disease

Others:

Construction of recombinant Baculovirus and study of the expression of recombinant protein of biological importance.

Training in

1. Biophysical approaches towards the understanding of the conformation of macromolecules includes Circular Dichroic and Fluorescence anisotropy measurement, gradient analysis and thermal melting profile followed by spectrophotometry.

2. Hybridoma technology - includes preparation of murine monoclonal antibodies against T cell antigen
3. Fermentation technology - involving growth of a specific strain of E. coli containing EcoRI gene in a 100 litre fermenter.
4. Microinjection

MEMBERSHIP IN ACADEMIC AND PROFESSIONAL SOCIETIES

1. Member of the American Society of Human Genetics (USA)
2. Member of the New York Academy of Sciences (USA)
3. Member of the Indian Society for Cell Biology (INDIA)
4. Member of the Indian Society of Human Genetics (INDIA) – **Executive Council Member-2012-2014**

Discovery:

Discovery of mutation in *PAX9* gene as underlying cause for human tooth agenesis cited in National Institute of Health press release, Texas Medical Center News, National Television News and Radio News, **Houston Chronicle Daily News Paper and in several other Web sites. A list of URLs is attached where this discovery work has been cited**

1. http://www.nidr.nih.gov/news/digest/may00_4.asp
2. <http://www.nih.gov/news/pr/dec99/nidcr-29.htm>
3. <http://www.bcm.tmc.edu/pa/missingteeth.htm>
4. <http://www.odontored.cl/main.htm>
5. <http://www.odontored.cl/argen9.htm>
6. <http://www.angelfire.com/nc/kidsdental/topics13.html>
7. http://www.uth.tmc.edu/uth_orgs/pub_affairs/news/releases/tooth.html
8. <http://www.e-dental.com/content/news/article.asp?DocID={EAC36C32-2CC2-11D5-A770-00D0B7694F32}&Bucket=Guest+Columnist>
9. <http://www.wired.com/news/medtech/0,1286,33307,00.html>
10. http://www.tmc.edu/tmcnews/02_01_00/page_08.html

11. <http://www.usc.edu/hsc/dental/Info/News/testimony.html>
12. <http://www.agd.org/consumer/topics/technology/code.html>
13. <http://www.aedentista.com/capacitacion/capacitacion/Marco%20superior/Pagina%2042.html>
14. http://www.gen-ethisches-netzwerk.de/gid/TEXTE/ARCHIV/PRESSEDIENST_GID138/MEDIZIN/MEDIZIN.HTM#M12
15. http://www.gen-ethisches-netzwerk.de/gid/TEXTE/ARCHIV/PRESSEDIENST_GID138/MEDIZIN/MEDIZIN.HTM
16. http://www.slsc.org/docs/galleries/dnazone/watt/intro_2000.shtml#gene
17. <http://www.os.dhhs.gov/budget/testify/b20010516c.html>
18. <http://www.db.uth.tmc.edu/orthodont/sfrazier/default2.htm>
19. <http://www.db.uth.tmc.edu/orthodont/sfrazier/default2.htm>
20. <http://www.montefiorecentral.com/notysalud/ARCHIVOS/89c.html>
21. <http://www.parkaveperio.com/newsletter/0003.htm>
22. http://www.expeditionzone.com/start_lo.cfm?story=520&business=&club=&member=
23. http://translate.google.com/translate?hl=en&sl=de&u=http://www.gen-ethisches-netzwerk.de/gid/TEXTE/ARCHIV/PRESSEDIENST_GID138/MEDIZIN/MEDIZIN.HTM&prev=/search%3Fq%3D%2522PAX9%2522%26start%3D60%26hl%3Den%26sa%3DN
24. <http://www3.ncbi.nlm.nih.gov/htbin-post/Omim/dispim?167416> *
25. <http://www.db.uth.tmc.edu/orthodont/sfrazier/default2.htm>
26. [http://www.google.com/search?q=cache:NH9FAIrRnzU:histology.musc.edu/Dental/News%2520Item.htm+"PAX9"&hl=en](http://www.google.com/search?q=cache:NH9FAIrRnzU:histology.musc.edu/Dental/News%2520Item.htm+)
27. [http://www.google.com/search?q=cache:XcRBy1hUXSc:www.uthouston.edu/forMedia/news_releases/nr2001/genetics/apply-genome.html+"PAX9"&hl=en](http://www.google.com/search?q=cache:XcRBy1hUXSc:www.uthouston.edu/forMedia/news_releases/nr2001/genetics/apply-genome.html+)
28. <http://www.esec-povoa-lanhoso.rcts.pt/marcel/genetica1.htm>

29. <http://translate.google.com/translate?hl=en&sl=pt&u=http://www.esec-povoa-lanhoso.rcts.pt/marcel/genetica1.htm&prev=/search%3Fq%3D%2522PAX9%2522%26st%3D150%26hl%3Den%26sa%3DN>

30. <http://www.dentista.it/html/ArticoloVis.asp?codArt=979&pagina=1>

31. <http://www.nysether.no/gjestebok.htm>

10. Full List of Publications:

Book Chapter:

Halder T. and Das P. (2015). High throughput gene expression analysis: Probing the effect of an Ayurvedic Formulation (Rasa-Sindoor) in MPTP Induced Parkinson's disease Mouse Model. In *Animals and Alternatives in Life Science Research* (pp.190-200) First Edition: Varanasi, U.P.: Luminous Books.

Manuscript Accepted:

1. Raj S, Singh RG and Das P (2017) Mutational screening of PKD2 gene in north Indian polycystic kidney disease patients revealed 28 genetic variations. *J of Genetics*.

Papers published: (36)

- (36) Bansal R, Singh J.K. Singh V, Singh DDN and **Das P** (2017) Optimization of oxidation temperature for commercially pure titanium to achieve improved corrosion resistance. **Journal of Materials Engineering and Performance**. 26:3:969-977
- (35) Halder T, Raj J, Pandey S, Kumar A, Sagar K, Chaudhury S, Sharma V, Joshi D and Das P (2016) Screening of genetic mutations in *GBA1*, *GIGYF2* and *VPS35* in Parkinson Disease patients from India. **Journal of Genetic Disorders & Genetic Reports**. 5:4 (IF:0.7)
- (34) Ranjan P, Sarkar T and **Das P** (2016) Sequential phylogenetic characterization of Zaire Ebola virus matrix protein VP40: an *In silico* analysis. *IJABPT*. **DOI: 10.21276/Ijabpt**, <http://dx.doi.org/10.21276/ijabpt> (IF:1.26)
- (33) Kumari R, Agrawal A, Halder T, **Das P** and Dubey GP (2016) Chronic poly herbal antidepressant in the frontal cortex, hippocampus and hypothalamus of rat. **Biomark J**. 2:2
- (32) Senapat S, Thakur R, Verma SP, Mishra DP, **Das P**, Sripathi T, Kumar M, Rana D and Maiti P (2015) Layered double hydroxide as effective carrier for anticancer drugs and tailoring of release rate through interlayer anions. **Journal of controlled release**. January 2016. DOI: 10.1016/j.jconrel.2016.01.016. IF 7.71

- (31) Verma SP, Sishodia S and **Das P** (2015) Aqueous component of anticancer drug CRUEL capsule induces anti-proliferative effect in Renal cell carcinoma. **APJCP**, **2015**(8419-23), 1513-7368. IF 2.5
- (30) Halder T, Raj Janak, Sharma V and Das P (2015) Novel P-TEN-induced putative kinase 1 (*PINK1*) variant in Indian Parkinson's disease patient. **Neuroscience Letters** 605: 29-33 (IF 2.02)
- (29) Upadhyay L, Singh J, Agarwal V, Pandey A. C., Verma S P, **Das P** and Tewari R P (2015) Efficient water soluble nanostructured ZnO grafted O-carboxymethyl chitosan/cucumin-nanocomposite for cancer therapy. **Process Biochemistry** 50:678-688
- (28) Upadhyay L, Singh J, Agarwal V, Pandey A.C, Verma SP, **Das P** and Tewari R.P (2014) In situ grafted nanostructured ZnO/Carboxymethyl cellulose nanocomposites for efficient delivery of curcumin to cancer. **J Polym Res.** 21:550. DOI 10.1007/s10965-014-0550-0. IF- 1.897
- (27) Sarker T, Bansal R and **Das P** (2014) Whole genome sequencing reveals novel non-synonymous mutation in Ectodysplasin A (EDA) associated with non-syndromic X-linked dominant congenital tooth agenesis. **PlosOne.** 10.1371/journal.pone.0106811 (IF3.23)
- (26) Singh V, Srivastava P, Verma SP, Mishra A, **Das P** and Singh N (2014) A new fluorescent pyrene-pyridine dithiocarbamate probe: A chemodosimeter to detect Hg²⁺ in pure aqueous medium and in live cells. **Journal of Luminescence** 2014;154:502–510. (IF 2.367).
- (25) Verma S, Tripathi VC and **Das P**. Asparagus racemosus leaf extract inhibits growth of UOK 146 renal cell carcinoma cell line: simultaneous oncogenic PRCCTFE3 fusion transcript inhibition and apoptosis independent cell death. **Asian Pacific Journal of Cancer Prevention** **2014**;15:1937-1941. (IF 1.271).
- (24) Arya AK, Tripathi K, **Das P**. Promising role of ANGPTL4 gene in diabetic wound healing. **Int J Low Extrem Wounds.** 2014;13:58-63. (IF 1.250).

(23) Chandra S, Singh AK, Singh M, **Das P**, Singh S, Pandey HP, Singh RG. Prolonged elevated postprandial sugar augments severity in kidney disease: a North Indian hospital-based study. **Renal Failure** 2014;36:50-54. (IF 0.941)

(22) Lazar AJF, **Das P**, Tuvin D, Korchin B, Zhu Q, Jin Z, warneke CL, Zhang PS, Hernandez V, Lopez-Terrada D, Pisters PW, Pollock R E and Lev D (2007) Angiogenesis-promoting gene patterns in alveolar soft part sarcoma. **Clin Cancer Research Dec 15; 13:7314-7321**

Times cited:16 Ref: ISI Web of SCIENCE Citation Index

(21) **Das P**, Kotlingham D, Korchin B, Lazar A and Lev D (2007) A high prevalence of p53 exon 4 mutations in soft tissue sarcoma. **Cancer 109: 2323-2333**

Times cited:17 Ref: ISI Web of SCIENCE Citation Index

(20) Tarpey P, Pemberton T, Stockton D, **Das P**, Ninis V, Edkins S, Futreal P A, Wooster R, Kamath S, Nayak R, Stratton M and Patel P I. (2007) A novel Gln358Glu mutation in Ectodysplasin A associated with X-linked dominant incisor hypodontia. **American Journal of Medical Genetics 143A: 390-394**

Times cited:19 Ref: ISI Web of SCIENCE Citation Index

(19) Rosenberg NA, Mahajan S, Gonzales C, Nino-Rosales L, Ninis V, **Das P**, Hegde M, Molinari L, Zapata G, Weber J L, Belmont J W and Patel P I (2006) Low levels of genetic differentiation across Indian populations. **PLoS Genetics 2(12):e215, 2052- 2061**

Times cited:44 Ref: ISI Web of SCIENCE Citation Index

(18) Liu J, Zhan M, Hannay JAF, **Das P**, Bolshakov SV, Kotilingam D, Yu D, Lazar AF, Pollock RE and Lev D (2006) Wild type p53 inhibits Nuclear Factor kB- induced matrix metalloproteinase-9 promoter activation: implications for soft tissue sarcoma growth and metastasis. **Molecular Cancer Research 4: 803-810**

Times cited:37 Ref: ISI Web of SCIENCE Citation Index

(17) Zhang L, Hannay J A F, Liu J, **Das P**, Zhan M, Nguyen T, Hicklin D J, Yu D, Pollock R E and Lev D (2006) Vascular endothelial growth factor overexpression by soft tissue sarcoma cells: implications for tumor growth, metastasis, and chemoresistance. **Cancer Research 66: 8770-8778**

Times cited:32 Ref: ISI Web of SCIENCE Citation Index

(16) Pemberton T J, **Das P** and Patel P I (2005) Hypodontia: genetics and future perspectives. **Braz J Oral Sci. 4:695-706**

(15) **Das P**, Hai M, Elcock C, Leal S M, Brown D T, Brook A H and Patel P I (2003) Novel missense mutation and a 288-bp exonic insertion in PAX9 in families with autosomal dominant hypodontia. **American Journal of Medical Genetics, 118A: 35-42**

Times cited:58 Ref: ISI Web of SCIENCE Citation Index

(14) **Das P**, Stockton D W, Bauer C, Shaffer L G, D'Souza R N, Wright J T and Patel P I (2002) [Haploinsufficiency of PAX9 is associated with autosomal dominant hypodontia](#) **Human Genetics, 110:371-376**

Times cited: 67 Ref: ISI Web of SCIENCE Citation Index

(13) Lucas R E, Vlangos C N, **Das P**, Patel P I and Elsea SH (2001) Genomic organization of the ~1.5 Mb Smith-Magenis syndrome critical interval: Transcription map, genomic contig, and candidate gene analysis **European Journal of Human Genetics, 9:892-902**

Times cited: 22 Ref: ISI Web of SCIENCE Citation Index

(12) Goldenberg M, **Das P**, Messersmith M, Stockton D W, Patel P I and D'Souza R N (2000) Clinical, radiographic and genetic evaluation of a novel form of autosomal dominant oligodontia. **Journal of Dental Research, 79:1469-1475**

Times cited: 25 Ref: ISI Web of SCIENCE Citation Index

(11) Stockton D W*, **Das P***, Goldenberg M, D'Souza R N and Patel P I (2000) Mutation of PAX9 is associated with oligodontia. **Nature Genetics 24:18-19**

**** Equal contributor first author***

Times cited: 223 Ref: ISI Web of SCIENCE Citation Index

(10) Vlangos C N, **Das P**, Patel P I and Elsea S H (2000) Assignment of developmentally regulated GTP-binding protein (DRG2) to human chromosome band 17p11.2 with somatic cell hybrids and localization to the Smith-Magenis syndrome critical interval **Cytogenetics and Cell Genetics, 88:283-285**

Times cited: 2 Ref: ISI Web of SCIENCE Citation Index

- (09) Shi Y P, **Das P**, Holloway B, Udhayakumar V, Tongren J E, Candal F, Biswas S, Ahmed R, Hasnain S E and Lal A A (2000) Development, expression, and murine testing of a multistage *Plasmodium falciparum* malaria vaccine candidate **Vaccine**, **18:2902-2914**

Times cited: 20 Ref: ISI Web of SCIENCE Citation Index

- (08) Elsea S H, Mykytyn K, Ferrell K, Coulter K L, **Das P**, Dubiel W, Patel P I and Metherall J E (1999) Hemizygoty for the COP9 Signalosome Subunit Gene, SGN3, in the Smith-Magenis Syndrome **American Journal of Medical Genetics**, **87:342-348**

Times cited: 17 Ref: ISI Web of SCIENCE Citation Index

- (07) Krishnamurthy S, Chatterjee U, Gupta V, Prasad R, **Das P**, Panwar S, Hasnain S E and Prasad R (1998) Deletion of transmembrane domain (TM) 12 of CDR1, a multidrug transporter from *Candida albicans*, leads to altered drug specificity: Expression of a yeast multidrug transporter in baculovirus expression system **Yeast**, **15 : pp 535 - 550**

Times cited: 29 Ref: ISI Web of SCIENCE Citation Index

- (06) Hasnain S E, Jain A, Habib S, Ghosh S, Chatterji U, Ramachandran A, **Das P**, Venkaiah B, Pandey S, Bufeng Liang, Ranjan A, Natarajan K and Anser Azim C (1997) Involvement of host factors in transcription from baculovirus late gene promoters - a review **Gene**, **190: pp 113 – 118**

Times cited: 20 Ref: ISI Web of SCIENCE Citation Index

- (05) Raina A, Sulaiman IM, Ehtesham NZ, **Das P**, Ali A, Dogra TD and Hasnain SE. (1996). Characterization of a human alphoid satellite DNA sequence and its potential use in assessing genetic diversity in indian populations.

Gene, **173: pp 247 - 250**

Times cited: 6 Ref: ISI Web of SCIENCE Citation Index

- (04) Habib S, Burma S, Chatterjee U, **Das P**, Jain A, Mukherjee B, Natarajan K, Ranjan A and Hasnain SE. (1996). Transcriptional regulation from the AcNPV polyhedrin gene promoter. *In Current Developments in Animal Virology* (ed. Wagner & Jameel), **Oxford- IBH Publishers, New Delhi, INDIA, pp 205 - 210**

- (03) **Das P** and Raman R(1994): Inactivation of mammalian X-chromosome during spermatogenesis: Temporal expression of genes in the laboratory mouse. **Journal of Biosciences**, **19: pp 513-528.**

Times cited: 4 Ref: ISI Web of SCIENCE Citation Index

(02) Raman R and **Das P** (1991): Mammalian Sex Chromosomes III. Activity of pseudoautosomal steroid sulfatase enzyme during spermatogenesis in *Mus musculus*. **Somatic Cell and Molecular Genetics**, **17**: pp 429-433.

Times cited: 5 Ref: ISI Web of SCIENCE Citation Index

- (01) Jain A, Ranjan A, Chatterji U, **Das P**, Ghosh S, Habib S, Pandey S, Ramachandran A, Venkaiah B and Hasnain SE. High level expression of heterologous genes in insect cells is not dependent on promoters alone **Invertebrate cell culture: Novel directions and Biotechnology applications**, (Editor, J. Mitsuhashi & K. Maramorosch) Academic Press

CONFERENCE PROCEEDINGS/ABSTRACTSPUBLISHED IN JOURNALS:

- (1) Sarker T, Bansal R and **Das P**. Identification and characterization of disease causing genetic variant by conventional genotyping and whole genome sequencing in familial tooth agenesis.P-26
Molecular Cytogenetics 2014, 7 (Suppl 1):P26, ISSN: 1755-8166 IF:2.66
<http://www.molecularcytogenetics.org/content/7/S1/P26>
- (2) Raj S, Singh R G and Das P . Association of PKD1 sequence variants with pathophysiology of ADPKD in Indian patients. **Molecular Cytogenetics 2014, 7 (Suppl 1):P26, ISSN: 1755-8166 IF:2.66**
<http://www.molecularcytogenetics.org/content/7/S1/P31>
- (3) **Das P**. Decoding the cause of human tooth agenesis: from mouse to Man. **International Symposium on Developmental and Complex Disorders & 38th Annual Conference of the Indian Society of Human Genetics: Genomics and Community Health** held at Banaras Hindu University, Varanasi, INDIA, from December 9-11, 2012, Abs # IL 19, Page # 48
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