

## AUTHOR INDEX

- Achiraman S  
Characterization of urinary volatiles in Swiss male mice  
(*Mus musculus*): bioassay of identified compounds 679
- Ackers J P  
The diagnostic implications of the separation of *Entamoeba histolytica* and *Entamoeba dispar* 573
- Aggarwal Anshu  
see Sarkar Sahotra 339  
see Garson Justin 347
- Aggarwal Gautam  
*Ab initio* gene identification: prokaryote genome annotation  
with GeneScan and GLIMMER 7
- Aggarwal Ramesh K  
see Agrawal Raman 251
- Agrawal Raman  
Cloning and sequencing of complete *t*-crystallin cDNA from  
embryonic lens of *Crococylus palustris* 251
- Ahmad Faizan  
see Shahjee Hanief Md 515
- Ahmad M Firoz  
Electron microscopic studies of the corpuscles of Stannius of  
an airbreathing teleost (*Heteropneustes fossilis*) 509
- Ali Ibne Karim Md  
see Clark C Graham 603
- Alim A  
see Ahmad M Firoz 509
- Ankri S  
Strategies of the protozoan parasite *Entamoeba histolytica* to  
evade the innate immune responses of intestinal epithelial  
cells 609
- Archunan G  
see Achiraman S 679
- Banerjee Kakoli  
see Shahjee Hanief Md 515
- Banerjee Sulagna  
Eukaryotic checkpoints are absent in the cell division cycle  
of *Entamoeba histolytica* 567
- Banerji Tapan K  
see Sengupta Anamika 687
- Bhadra Ranjan  
see Mallick Shampa 243
- Bhat S R  
see Chakrabarty R 495
- Bhatia Triptish  
see Prasad Suman 35
- Bhatt J P  
Water temperature and pH influence olfactory sensitivity to  
pre-ovulatory and post-ovulatory ovarian pheromones in  
male *Barilius bendelisis* 273
- Bhattacharjee Gautam  
Cocoon production, morphology, hatching pattern and fecun-  
dity in seven tropical earthworm species – a laboratory-based  
investigation 283
- Bhattacharya Alok  
see Paul Jaishree 619
- Bhattacharya Sudha  
see Paul Jaishree 619
- Bhattacharyya Anindita  
Studies on Stibanate unresponsive isolates of *Leishmania*  
*donovani* 503  
see Mukherjee Mandira 665
- Boettner Douglas R  
Galactose/N-acetylgalactosamine lectin: the coordinator of  
host cell killing 553
- Bonga S E Wendelaar  
see Ahmad M Firoz 509
- Bonner J T  
Stephen Jay Gould 450
- Borges Renee M  
Warring ants: Lessons from Lanchester's laws of combat? 75
- Boyce Mark S  
Bet-hedging applications for conservation 385
- Bracha Rivka  
Amoebapore is an important virulence factor of *Entamoeba*  
*histolytica* 579
- Brahmachari Samir K  
see Pasha M A Qadar 67
- B-Rao Chandrika  
see Nandi Tannistha 15
- Callicott J Baird  
Choosing appropriate temporal and spatial scales for ecologi-  
cal restoration 409
- Chakarabarty B  
see Ahmad M Firoz 509
- Chakrabarty R  
*Agrobacterium*-mediated transformation of cauliflower: opti-  
mization of protocol and development of Bt-transgenic cauli-  
flower 495
- Chandrashekar Reena  
see Agrawal Raman 251
- Chattopadhyay M K  
The link between bacterial radiation resistance and cold  
adaptation 71
- Chaudhuri P S  
see Bhattacharjee Gautam 283
- Chaudhuri Probal  
SWORDS: A statistical tool for analysing large DNA  
sequences 1
- Chinsamy Anusuya  
see Ray Sanghmitra 295
- Chopra V L  
see Chakrabarty R 495
- Clark C Graham  
Genetic diversity in *Entamoeba histolytica* 603
- Coppi Alida  
see Eichinger Dan 589
- Cornish-Bowden Athel  
Enthalpy-entropy compensation: a phantom phenomenon 121

Das Sandip		Gupte S C	
<i>see</i> Chaudhuri Probal	1	<i>see</i> Kumar U Shankar	135
Das Suchismita		Hegde A S	
<i>see</i> Banerjee Sulagna	567	<i>see</i> Phatak Pornima	673
David Jean R		Hegde Sridevi	
<i>see</i> Debat Vincent	191	<i>see</i> Phatak Pornima	673
Stephen Jay Gould	453	Hilbert D W	
Debat Vincent		<i>see</i> Williams P H	327
Analysing phenotypic variation: when old-fashioned means up-to-date	191	Homberger Dominique G	
Deshpande Smita		Steven J Gould – an appreciation	455
<i>see</i> Prasad Suman	35	Huston Christopher	
Divya T		<i>see</i> Boettner Douglas R	553
<i>see</i> Phatak Pornima	673	Ikehara K	
Dutta Chitra		Origins of gene, genetic code, protein and life: comprehensive view of life systems from a GNC-SNS primitive genetic code hypothesis	165
Horizontal gene transfer and bacterial diversity	27	Inamdar Maneesha S	
Duttagupta Swadesh		Stem cell identity: life is plastic, it's fantastic!	93
<i>see</i> Bhattacharyya Anindita	503	Jain Neeraj	
<i>see</i> Mukherjee Mandira	665	Adult brain plasticity – what is revealed is exciting, what is hidden is critical	439
Eichinger Dan		Jala Venkatakrishna R	
Catecholamine in <i>Entamoebae</i> : recent (re)discoveries	589	Overexpression and characterization of dimeric and tetrameric forms of recombinant serine hydroxymethyltransferase from <i>Bacillus stearothermophilus</i>	233
Elangovan V		Jobanputra Vaidehi	
Postnatal growth, age estimation and development of foraging behaviour in the fulvous fruit bat <i>Rousettus leschenaulti</i>	695	Prenatal detection of aneuploidies using fluorescence <i>in situ</i> hybridization: A preliminary experience in an Indian set up	155
Faisal Mohd		Josephraj Kumar A	
<i>see</i> Mallick Birendra N	539	DNA synthesis in the imaginal wing discs of the American bollworm <i>Helicoverpa armigera</i> (Hübner)	113
Faith Daniel P		Justus James	
The role of trade-offs in biodiversity conservation planning: linking local management, regional planning and global conservation efforts	393	The principle of complementarity in the design of reserve networks to conserve biodiversity: a preliminary history	421
Frederick Jesse		Kandwal J S	
<i>see</i> Eichinger Dan	589	<i>see</i> Bhatt J P	273
Garson Justin		Kasbekar Durgadas P	
<i>see</i> Sarkar Sahotra	339	<i>see</i> Prakash A	105
Birds as surrogates for biodiversity: an analysis of a data set from southern Québec	347	Sex and the single gene: Meiotic silencing by unpaired DNA	633
Gaston K J		Kathirvel Paramasivam	
Persistence and vulnerability: retaining biodiversity in the landscape and in protected areas	361	Maternal regulation of imprinting	437
Ghosh K		Kaur Narinder	
<i>see</i> Kumar U Shankar	135	Applications of inulin and oligofructose in health and nutrition	703
Gierer Alfred		Khan Amjad P	
Theoretical approaches to holistic biological features: Pattern formation, neural networks and the brain-mind relation	195	<i>see</i> Pasha M A Qadar	67
Gilbert Scott F		Kirsch Eileen M	
Stephen J Gould	445	<i>see</i> Boyce Mark S	385
Gill Kulbir S		Kirtane Bhakti M	
<i>see</i> Trehan Kuldip S	127	Comparison of the activities of wild type and mutant enhancing factor/mouse secretory phospholipase A <sub>2</sub> proteins	489
Girimaji S C			
<i>see</i> Kumar Arun	629		
Grover Surinder K			
<i>see</i> Pasha M A Qadar	67		
Gupta Anil K			
<i>see</i> Kaur Narinder	703		

Kirti P B		Mirelman David	
<i>see</i> Chakrabarty R	495	<i>see</i> Bracha Rivka	579
Kucheria Kiran		Mishra Anurag Kumar	
<i>see</i> Jobanputra Vaidehi	155	<i>see</i> Agrawal Raman	251
Kumar Arun		Mishra K P	
Primary microcephaly: <i>microcephalin</i> and <i>ASPM</i> determine		<i>see</i> Ahmad M Firoz	509
the size of the human brain	629	Mohan Ram H Y	
Kumar Ratan		A passion for plant life	651
<i>see</i> Pasha M A Qadar	67	Mohanty D	
Kumar U Shankar		<i>see</i> Kumar U Shankar	135
Role of HLA antigens in Rh(D) alloimmunized pregnant		Mukherjee Mandira	
women from Mumbai, Maharashtra, India	135	<i>see</i> Bhattacharyya Anindita	503
Lakra G		Monoclonal antibody affinity purification of a 78 kDa mem-	
<i>see</i> Ahmad M Firoz	509	brane protein of <i>Leishmania donovani</i> of Indian origin and	
Lewis Daniel M		its role in host-parasite interaction	665
<i>see</i> Saxena Rajiv K	143	Mukhopadhyay Utpal Kumar	
Lohia Anuradha		An insight into the possible mechanism of working of two-	
<i>see</i> Banerjee Sulagna	567	cistronic gene expression systems and rational designing of	
Lyubchenko Yuri L		newer systems	219
<i>see</i> Sinden Richard R	53	Mulherkar Rita	
Madan Vibha		<i>see</i> Kirtane Bhakti M	489
<i>see</i> Mallick Birendra N	539	Nandi Tannistha	
Mahadevan S		Comparative genomics using data mining tools	15
Bacterial communication	443	Narasimha Roddam	
Maitra Saumen K		A metaphysics of living systems: the <i>Yōga-Vāsīṣṭha</i> view	645
<i>see</i> Sengupta Anamika	687	Nautiyal R	
Majumdar Sudipta		<i>see</i> Bhatt J P	273
<i>see</i> Mallick Birendra N	539	Newman Stuart A	
Mallick Birendra N		Developmental mechanisms: putting genes in their place	97
Role of norepinephrine in the regulation of rapid eye move-		Newman Stuart A	
ment sleep	539	Stephen Jay Gould	448
Mallick Shampa		Nimgaonkar V L	
Human placental lipid induces mitogenesis and melanogene-		<i>see</i> Prasad Suman	35
sis in B16F10 melanoma cells	243	Nuchamowitz Yael	
Mandal Samir Kumar		<i>see</i> Bracha Rivka	579
<i>see</i> Mallick Shampa	243	Obara Yoshihiko	
Mann B J		<i>see</i> Sengupta Anamika	687
<i>see</i> Teixeira J E	615	Oussatcheva Elena A	
Margules Chris		<i>see</i> Sinden Richard R	53
<i>see</i> Sarkar Sahotra	299	Pal Dinesh	
Margules C R		<i>see</i> Mallick Birendra N	539
Representing biodiversity: data and procedures for identify-		Pan Archana	
ing priority areas for conservation	309	<i>see</i> Dutta Chitra	27
<i>see</i> Williams P H	327	Pandian T J	
<i>see</i> Sarkar Sahotra	339	<i>see</i> Venugopal T	261
<i>see</i> Gaston K J	361	Pasha M A Qadar	
Marimuthu G		Variations in angiotensin-converting enzyme gene insertion/	
<i>see</i> Elangovan V	695	deletion polymorphism in Indian populations of different	
Markandaya M		ethnic origins	67
<i>see</i> Kumar Arun	629	Patel Apoorva	
Mathavan S		Carbon – the first frontier of information processing	207
<i>see</i> Venugopal T	261	Paul Jaishree	
Merali Salim		Close sequence identity between ribosomal DNA episomes	
<i>see</i> Eichinger Dan	589	of the non-pathogenic <i>Entamoeba dispar</i> and pathogenic	
Minorsky Peter V		<i>Entamoeba histolytica</i>	619
Vernalization: the flower school	79		

Pearson Christopher E <i>see</i> Sinden Richard R	53	Sarkar Sahotra Operationalizing biodiversity for conservation planning	299
Petri Jr William A <i>see</i> Boettner Douglas R	553	Place prioritization for biodiversity content	339
Phatak Pornima Alterations in tumour suppressor gene p53 in human gliomas from Indian patients	673	<i>see</i> Garson Justin	347
Potaman Vladimir N <i>see</i> Sinden Richard R	53	<i>see</i> Justus James	421
Prakash A Genes encoding chimeras of <i>Neurospora crassa erg-3</i> and human TM7SF2 proteins fail to complement <i>Neurospora</i> and yeast sterol C-14 reductase mutants	105	Sarpal Ritu Dynamic expression pattern of kinesin accessory protein in <i>Drosophila</i>	479
Prakash V <i>see</i> Jala Venkatakrishna R	233	Satya Priya E Yuvana <i>see</i> Elangovan V	695
Prasad Suman Molecular genetics of schizophrenia: past, present and future	35	Savithri H S <i>see</i> Jala Venkatakrishna R	233
Pressey R L <i>see</i> Margules C R	309	Saxena Rajiv K Murine model of BCG lung infection: Dynamics of lympho- cyte subpopulations in lung interstitium and tracheal lymph nodes	143
<i>see</i> Gaston K J	361	Segerstråle Ullica The scientist of the underdog	460
Radder R S <i>see</i> Shanbhag B A	529	Selvamurthy William <i>see</i> Pasha M A Qadar	67
Raghuram H <i>see</i> Elangovan V	695	Selvi S Kalai <i>see</i> Phatak Pornima	673
Ram Rekh B <i>see</i> Pasha M A Qadar	67	Semwal Prachi <i>see</i> Prasad Suman	35
Ramachandran Srinivasan <i>see</i> Nandi Tannistha	15	Sen N S <i>see</i> Ahmad M Firoz	509
Ramadevi Jetty <i>see</i> Agrawal Raman	251	Sengupta Anamika Induction of blindness by formoguanamine hydrochloride in adult male roseringed parakeets ( <i>Psittacula krameri</i> )	687
Ramaswamy Ramakrishna <i>see</i> Aggarwal Gautam	7	Servheen Christopher <i>see</i> Boyce Mark S	385
Rao N Appaji <i>see</i> Jala Venkatakrishna R	233	Shah Preetam <i>see</i> Singh Upinder	595
Rao N V A <i>see</i> Ahmad M Firoz	509	Shahjee Hanief Md Comparative analysis of naturally occurring L-amino acid osmolytes and their D-isomers on protection of <i>Escherichia</i> <i>coli</i> against environmental stresses	515
Rau A R P Biological scaling and physics	475	Shanbhag B A Members of opposite sex mutually regulate gonadal recrudescence in the lizard <i>Calotes versicolor</i> (Agamidae)	529
Ray Krishanu <i>see</i> Sarpal Ritu	479	Sharma Yogendra <i>see</i> Agrawal Raman	251
Ray Sanghamitra A theropod tooth from the Late Triassic of southern Africa	295	Shenoy Avinash R The ascent of nucleotide cyclases: conservation and evolu- tion of a theme	85
Raza Bushra <i>see</i> Ahmad M Firoz	509	Shlyakhtenko Luda S <i>see</i> Sinden Richard R	53
Roy Debjani Ambhians as environmental sentinels	187	Shukla Mohinish Dichotomies in the perception of speech	189
Roy Kalol Kumar <i>see</i> Jobanputra Vaidehi	155	Simpson Janet <i>see</i> Saxena Rajiv K	143
Sahni Girish <i>see</i> Mukhopadhyay Utpal Kumar	219	Sinden Richard R Triplet repeat DNA structures and human genetic disease: dynamic mutations from dynamic DNA	53
Saidapur S K <i>see</i> Shanbhag B A	529	Singh B D <i>see</i> Chakrabarty R	495
Samuelson J What <i>Entamoeba histolytica</i> and <i>Giardia lamblia</i> tell us about the evolution of eukaryotic diversity	559	Singh Prim B <i>see</i> Kathirvel Paramasivam	437

Singh Upinder		Vidya T N C	
Investigating amoebic pathogenesis using <i>Entamoeba histolytica</i> DNA microarrays	595	The effect of some ecological factors on the intestinal parasite loads of the Asian elephant ( <i>Elephas maximus</i> ) in southern India	521
Sinha Anindya		Viswakarma N	
Reflective consciousness and the emergence of memes: Serial evolutionary pathways?	637	<i>see</i> Chakrabarty R	495
Somasundaram Kumaravel		Visweswariah Sandhya S	
<i>see</i> Phatak Pornima	673	<i>see</i> Shenoy Avinash R	85
Srinivasan N		Walker P A	
<i>see</i> Shenoy Avinash R	85	<i>see</i> Faith Daniel P	393
Srivastava Kaushal K		Weissman David	
<i>see</i> Pasha M A Qadar	67	<i>see</i> Saxena Rajiv K	143
Subrahmanyam B		West-Eberhard Mary Jane	
<i>see</i> Josephraj Kumar A	113	On Stephen Jay Gould	447
Sukumar R		Williams P H	
<i>see</i> Vidya T N C	521	<i>see</i> Margules C R	309
Teixeira J E		Williams P H	
Characterization of <i>Entamoeba histolytica</i> -induced dephosphorylation in Jurkat cells	615	Data requirements and data sources for biodiversity priority area selection	327
Thelma B K		Winfrey A T	
<i>see</i> Prasad Suman	35	Chemical waves and fibrillating hearts: discovery by computation	465
Trehan Kuldip S		Yadav Vikas	
Epigenetics of dominance for enzyme activity	127	<i>see</i> Mallick Birendra N	539
Venugopal T		Zaki Mehreen	
Molecular cloning of growth hormone encoding cDNA of Indian major carps by a modified rapid amplification of cDNA ends strategy	261	<i>see</i> Clark C Graham	603
Vermeij Geerat J		Zeidler Juliane	
Gould's intellectual ontogeny	451	<i>see</i> Sarkar Sahotra	339