

Journal of Biosciences

Volume 26, 2001

SUBJECT INDEX

- ABA over producer
Pleiotropic morphological and abiotic stress resistance phenotypes of the hyper-abscisic acid producing *Abo*-mutant in the periwinkle *Catharanthus roseus* 57
- Actinopterygii* (ray-finned fish)
Application of InterPro for the functional classification of the proteins of fish origin in SWISS-PROT and TrEMBL 277
- Adult health
Nutritional status of the Indian population 481
- Age
Determination of age, longevity and age at reproduction of the frog *Microhyla ornata* by skeletochronology 265
- Amino acid
Why genetic information processing could have a quantum basis 145
- Ammonia
Ammonia differentially suppresses the cAMP chemotaxis of anterior-like cells and prestalk cells in *Dictyostelium discoideum* 57
- Ancient medicine
The roots of ancient medicine: an historical outline 135
- Ant
Ant and human farmers face similar problems 121
- Antenna
Olfaction in the Colorado potato beetle: Ultrastructure of antennal sensilla in *Leptinotarsa* sp 233
- Anterior-like cells
Ammonia differentially suppresses the cAMP chemotaxis of anterior-like cells and prestalk cells in *Dictyostelium discoideum* 157
- Antibiotics
Pancreatic islet-cell viability, functionality and oxidative status remain unaffected at pharmacological concentrations of commonly used antibiotics *in vitro* 349
- Antitermination
The *Escherichia coli* antiterminator protein BglG stabilizes the 5' region of the *bgl* mRNA 193
- Aquatic ecosystems
Biological factors underlying regularity and chaos in aquatic ecosystems: Simple models of complex dynamics 77
Chaos and regular dynamics in model multi-habitat plankton-fish communities 109
- Archaeal
Glutamate synthase: An archaeal horizontal gene transfer? 13
- Autoimmunity
Information theory: A guide in the investigation of disease 15
- Ayurveda
The roots of ancient medicine: an historical outline 135
- Bandsharing
Randomly amplified polymorphic DNA-polymerase chain reaction analysis of two different populations of cultured Korean catfish *Silurus asotus* 641
- Behaviour
Where does our behaviour come from? 561
- Benzamide
Developmental regulation and complex organization of the promoter of the non-coding *hsrW* gene of *Drosophila melanogaster* 25
- Biodiversity
Increasing population and declining biological resources in the context of global change and globalization 465
- Biohazard
Stress-induced evolution and the biosafety of genetically modified microorganisms released into the environment 667
- Biological process
Where does our behaviour come from? 561
- Biosafety
Stress-induced evolution and the biosafety of genetically modified microorganisms released into the environment 667
- Blacknecked stork
Effects of water level changes and wading bird abundance on the foraging behaviour of blacknecked storks *Ephippiorhynchus asiaticus* in Dudwa National Park, India 373
- Bombyx mori*
The wings of *Bombyx mori* develop from larval discs exhibiting an early differentiated state: a preliminary report 167
- Breast cancer
Non-redundant tumour suppressor functions of transforming growth factor beta in breast cancer 9
- Bronze age
Prehistoric human colonization of India 491
- Calcium
Calcium – how and why? 357
- CaMDR1*
Specificity of drug transport mediated by *CaMDR1*: a major facilitator of *Candida albicans* 333
- Candida albicans*
Specificity of drug transport mediated by *CaMDR1*: a major facilitator of *Candida albicans* 333
- Caste system
Prehistoric human colonization of India 491
- Catharanthus roseus*
Pleiotropic morphological and abiotic stress resistance phenotypes of the hyper-abscisic acid producing *Abo*-mutant in the periwinkle *Catharanthus roseus* 57

cDNA cloning		reaction analysis of two different populations of cultured Korean catfish <i>Silurus asotus</i>	641
Cloning, sequencing and expression of cDNA encoding growth hormone from Indian catfish (<i>Heteropneustes fossilis</i>)	315		
Chalcolithic		93D	
Prehistoric human colonization of India	491	Developmental regulation and complex organization of the promoter of the non-coding <i>hsrW</i> gene of <i>Drosophila melanogaster</i>	25
Chaos		d(CAG/CTG) ₅	
Biological factors underlying regularity and chaos in aquatic ecosystems: Simple models of complex dynamics	77	Modelling studies on neurodegenerative disease-causing triplet repeat sequences d(GGC/GCC) _n and d(CAG/CTG) _n	649
Chaos and regular dynamics in model multi-habitat plankton-fish communities	109	d(GGC/GCC) ₅	
Chemistry		Modelling studies on neurodegenerative disease-causing triplet repeat sequences d(GGC/GCC) _n and d(CAG/CTG) _n	649
Calcium – how and why?	357	D-mannosylated albumin	
Chemotaxis		Evidence for clustered mannose as a new ligand for hyaluronan-binding protein (HABP1) from human fibroblasts	325
Ammonia differentially suppresses the cAMP chemotaxis of anterior-like cells and prestalk cells in <i>Dictyostelium discoideum</i>	157	DNA	
Chillies		Why genetic information processing could have a quantum basis	145
Why are chillies pungent?	289	DNA diversity	
<i>Chlamydomonas</i>		Randomly amplified polymorphic DNA-polymerase chain reaction analysis of two different populations of cultured Korean catfish <i>Silurus asotus</i>	641
Local repeat sequence organization of an intergenic spacer in the chloroplast genome of <i>Chlamydomonas reinhardtii</i> leads to DNA expansion and sequence scrambling: a complex mode of “copy-choice replication”?	583	DNA dynamics	
Chromosomal races		Is DNA a nonlinear dynamical system where solitary conformational waves are possible?	305
Incipient sexual isolation in the <i>nasuta-albomicans</i> complex of <i>Drosophila</i> : No-choice experiments	71	DNA repeats	
Clitoral gland		Local repeat sequence organization of an intergenic spacer in the chloroplast genome of <i>Chlamydomonas reinhardtii</i> leads to DNA expansion and sequence scrambling: a complex mode of “copy-choice replication”?	583
Chemistry of clitoral gland secretions of the laboratory rat: Assessment of behavioural response to identified compounds	247	Database search	
Cloven-hoofed animals		Why genetic information processing could have a quantum basis	145
Eradication of foot-and-mouth disease: a foot in mouth proposition	125	Demography	
Compound leaf morphogenesis		Epidemiological profile of India: Histological and contemporary perspectives	437
Role of <i>LLD</i> , a new locus for leaflet/pinna morphogenesis in <i>Pisum sativum</i>	607	Ethnic populations of India as seen from an evolutionary perspective	533
Computation		Development	
Why genetic information processing could have a quantum basis	145	Differential expression of syntaxin-1 and synaptophysin in the developing and adult human retina	179
Concanavalin A		Developmental biology	
Recombinant pre-pro-Concanavalin A (jack bean) is stable but of low solubility	635	New vistas for developmental biology	293
Conjugated steroids		Diabetes	
Gas chromatographic and mass spectrometric analysis of conjugated steroids in urine	627	Pancreatic islet-cell viability, functionality and oxidative status remain unaffected at pharmacological concentrations of commonly used antibiotics <i>in vitro</i>	349
Controversy		<i>Dictyostelium</i>	
Controversy in science	299	Ammonia differentially suppresses the cAMP chemotaxis of anterior-like cells and prestalk cells in <i>Dictyostelium discoideum</i>	157
Copulation duration		<i>Dictyostelium discoideum</i>	
Incipient sexual isolation in the <i>nasuta-albomicans</i> complex of <i>Drosophila</i> : No-choice experiments	71	Cell fate choice and social evolution in <i>Dictyostelium discoideum</i> : Interplay of morphogens and heterogeneities	130
Copy-choice replication			
Local repeat sequence organization of an intergenic spacer in the chloroplast genome of <i>Chlamydomonas reinhardtii</i> leads to DNA expansion and sequence scrambling: a complex mode of “copy-choice replication”?	583		
Cultured catfish			
Randomly amplified polymorphic DNA-polymerase chain			

Disease burden		Expression in <i>E. coli</i>	
Epidemiological profile of India: Histological and contemporary perspectives	437	Cloning, sequencing and expression of cDNA encoding growth hormone from Indian catfish (<i>Heteropneustes fossilis</i>)	315
<i>Distal-less (Dll)</i>		Fertility control	
The wings of <i>Bombyx mori</i> develop from larval discs exhibiting an early differentiated state: a preliminary report	167	Is there a role for contraceptive vaccines in fertility control?	425
<i>Drosophila</i>		Fertility genes	
Incipient sexual isolation in the <i>nasuta-albomicans</i> complex of <i>Drosophila</i> : No-choice experiments	71	Molecular insights into the causes of male infertility	429
Understanding intercellular communication in the brain: Identified neuromuscular synapses of the fruitfly <i>Drosophila</i> serve as a model	127	Fetal growth	
New vistas for developmental biology	293	Nutritional status of the Indian population	481
Incipient sexual isolation in the <i>nasuta-albomicans</i> complex of <i>Drosophila</i> : mating preference in male-, female- and multiple-choice mating experiments	365	Finger tapping frequency	
<i>Drosophila melanogaster</i>		Functional magnetic resonance imaging of the primary motor cortex in humans: response to increased functional demands	205
Tuberous sclerosis complex: A <i>Drosophila</i> connection	285	Fish	
ERE half site		Ovarian steroid sulphate functions as priming pheromone in male <i>Barilius bendelisis</i> (Ham.)	253
Characterization of chicken riboflavin carrier protein gene structure and promoter regulation by estrogen	39	Fish proteins	
Early historic human evolution		Application of InterPro for the functional classification of the proteins of fish origin in SWISS-PROT and TrEMBL	277
Prehistoric human colonization of India	491	Foot-and-mouth disease	
Early life undernutrition		Eradication of foot-and-mouth disease: a foot in mouth proposition	125
Nutritional status of the Indian population	481	Frog	
Echo-planar imaging		Determination of age, longevity and age at reproduction of the frog <i>Microhyla ornata</i> by skeletochronology	265
Functional magnetic resonance imaging of the primary motor cortex in humans: response to increased functional demands	205	Functional classification	
Enigma		Application of InterPro for the functional classification of the proteins of fish origin in SWISS-PROT and TrEMBL	277
The enigma of morphine tolerance: recent insights	555	Functional demand	
Enzyme		Functional magnetic resonance imaging of the primary motor cortex in humans: response to increased functional demands	205
Why genetic information processing could have a quantum basis	145	Functional magnetic resonance imaging	
<i>Ephippiorhynchus asiaticus</i>		Functional magnetic resonance imaging of the primary motor cortex in humans: response to increased functional demands	205
Effects of water level changes and wading bird abundance on the foraging behaviour of blacknecked storks <i>Ephippiorhynchus asiaticus</i> in Dudwa National Park, India	373	Fungus gardens	
Epidemiology		Ant and human farmers face similar problems	121
Epidemiological profile of India: Histological and contemporary perspectives	437	Gas chromatography	
Epididymis		Gas chromatographic and mass spectrometric analysis of conjugated steroids in urine	627
Current status of fertility control methods in India	391	Gas chromatography linked mass spectrometry	
<i>Escherichia coli</i>		Chemistry of clitoral gland secretions of the laboratory rat: Assessment of behavioural response to identified compounds	247
Recombinant pre-pro-Concanavalin A (jack bean) is stable but of low solubility	635	Gene expression	
Estrogen		Characterization of chicken riboflavin carrier protein gene structure and promoter regulation by estrogen	39
Current status of fertility control methods in India	391	Gene transfer	
Evolution		Glutamate synthase: An archaeal horizontal gene transfer?	13
Cell fate choice and social evolution in <i>Dictyostelium discoideum</i> : Interplay of morphogens and heterogeneities	130	Stress-induced evolution and the biosafety of genetically modified microorganisms released into the environment	667
Calcium – how and why?	357	Genetically modified microorganisms	
Stress-induced evolution and the biosafety of genetically modified microorganisms released into the environment	667	Stress-induced evolution and the biosafety of genetically modified microorganisms released into the environment	667

Global change	
Increasing population and declining biological resources in the context of global change and globalization	465
Globalization	
Increasing population and declining biological resources in the context of global change and globalization	465
Glucose tolerance factor	
Chromium uptake by <i>Saccharomyces cerevisiae</i> and isolation of glucose tolerance factor from yeast biomass	217
Glutamate synthase	
Glutamate synthase: An archaeal horizontal gene transfer?	13
Growth hormone	
Cloning, sequencing and expression of cDNA encoding growth hormone from Indian catfish (<i>Heteropneustes fossilis</i>)	315
GVBD	
Insulin alone can lead to a withdrawal of meiotic arrest in the carp oocyte	341
Hairpin structure	
Modelling studies on neurodegenerative disease-causing triplet repeat sequences d(GGC/GCC) _n and d(CAG/CTG) _n	649
Health transition	
Epidemiological profile of India: Histological and contemporary perspectives	437
Heat shock	
Developmental regulation and complex organization of the promoter of the non-coding <i>hsrW</i> gene of <i>Drosophila melanogaster</i>	25
Hemin chloride	
Dose-dependent differential effect of hemin on protein synthesis and cell proliferation in <i>Leishmania donovani</i> promastigotes cultured <i>in vitro</i>	225
<i>Heteropneustes fossilis</i>	
Cloning, sequencing and expression of cDNA encoding growth hormone from Indian catfish (<i>Heteropneustes fossilis</i>)	315
Effects of water level changes and wading bird abundance on the foraging behaviour of blacknecked storks <i>Ephippiorhynchus asiaticus</i> in Dudwa National Park, India	373
hnRNP	
Developmental regulation and complex organization of the promoter of the non-coding <i>hsrW</i> gene of <i>Drosophila melanogaster</i>	25
Homeotic regeneration	
Homeotic regeneration of eye in amphibian tadpoles and its enhancement by vitamin A	577
hsp90	
Dose-dependent differential effect of hemin on protein synthesis and cell proliferation in <i>Leishmania donovani</i> promastigotes cultured <i>in vitro</i>	225
Human genetics	
New challenges in human genetics: modifier genes	547
Human retina	
Differential expression of syntaxin-1 and synaptophysin in the developing and adult human retina	179
Hunter-gatherers	
Prehistoric human colonization of India	491
Hyaluronan	
Evidence for clustered mannose as a new ligand for hyaluronan-binding protein (HABP1) from human fibroblasts	325
Hyaluronan binding protein	
Evidence for clustered mannose as a new ligand for hyaluronan-binding protein (HABP1) from human fibroblasts	325
Immunocontraception	
Is there a role for contraceptive vaccines in fertility control?	425
Immunohistochemistry	
Differential expression of syntaxin-1 and synaptophysin in the developing and adult human retina	179
Incipient isolation	
Incipient sexual isolation in the <i>nasuta-albomicans</i> complex of <i>Drosophila</i> : mating preference in male-, female- and multiple-choice mating experiments	365
Indian catfish	
Cloning, sequencing and expression of cDNA encoding growth hormone from Indian catfish (<i>Heteropneustes fossilis</i>)	315
Infertility	
Molecular insights into the causes of male infertility	429
Information	
Why genetic information processing could have a quantum basis	145
Information theory	
Information theory: A guide in the investigation of disease	15
Insulin	
Insulin alone can lead to a withdrawal of meiotic arrest in the carp oocyte	341
Insulin mimetic	
Orally active insulin mimics: where do we stand now?	383
Insulin receptor tyrosine kinase	
Orally active insulin mimics: where do we stand now?	383
Inter- and intraspecies interactions	
Effects of water level changes and wading bird abundance on the foraging behaviour of blacknecked storks <i>Ephippiorhynchus asiaticus</i> in Dudwa National Park, India	373
InterPro	
Application of InterPro for the functional classification of the proteins of fish origin in SWISS-PROT and TrEMBL	277
Interfood interval	
Effects of water level changes and wading bird abundance on the foraging behaviour of blacknecked storks <i>Ephippiorhynchus asiaticus</i> in Dudwa National Park, India	373
Iron age	
Prehistoric human colonization of India	491
Language	
Getting the beat	6
<i>LEAF-LET DEVELOPMENT</i> gene	
Role of <i>LLD</i> , a new locus for leaflet/pinna morphogenesis in <i>Pisum sativum</i>	607
<i>LLD</i> function	
Role of <i>LLD</i> , a new locus for leaflet/pinna morphogenesis in <i>Pisum sativum</i>	607

ltd mutation		Microbial pathogens	
Role of <i>LLD</i> , a new locus for leaflet/pinna morphogenesis in <i>Pisum sativum</i>	607	Ant and human farmers face similar problems	121
Leaf/leaflet lamina development		<i>Microhyla ornata</i>	
Role of <i>LLD</i> , a new locus for leaflet/pinna morphogenesis in <i>Pisum sativum</i>	607	Determination of age, longevity and age at reproduction of the frog <i>Microhyla ornata</i> by skeletochronology	265
Lectin		Migration	
Recombinant pre-pro-Concanavalin A (jack bean) is stable but of low solubility	635	Ethnic populations of India as seen from an evolutionary perspective	533
Lens regeneration		Mismatch	
Lens regeneration in mice under the influence of vitamin A	571	MutS recognition: Multiple mismatches and sequence context effects	595
<i>Leptinotarsa</i>		Mitochondrial DNA	
Olfaction in the Colorado potato beetle: Ultrastructure of antennal sensilla in <i>Leptinotarsa</i> sp	233	Ethnic populations of India as seen from an evolutionary perspective	533
Liver		Mitotic reassembly	
Characterization of chicken riboflavin carrier protein gene structure and promoter regulation by estrogen	39	Early localization of NPA58, a rat nuclear pore-associated protein, to the reforming nuclear envelope during mitosis	47
Longevity		Model building	
Determination of age, longevity and age at reproduction of the frog <i>Microhyla ornata</i> by skeletochronology	265	Modelling studies on neurodegenerative disease-causing triplet repeat sequences d(GGC/GCC) _n and d(CAG/CTG) _n	649
Luteinizing hormone		Modelling	
Current status of fertility control methods in India	391	Biological factors underlying regularity and chaos in aquatic ecosystems: Simple models of complex dynamics	77
Major facilitator		Chaos and regular dynamics in model multi-habitat plankton-fish communities	109
Specificity of drug transport mediated by <i>CaMDR1</i> : a major facilitator of <i>Candida albicans</i>	333	Modifier	
Mass spectrometry		New challenges in human genetics: modifier genes	547
Gas chromatographic and mass spectrometric analysis of conjugated steroids in urine	627	Molecular mechanics	
Maternal nutrition		Modelling studies on neurodegenerative disease-causing triplet repeat sequences d(GGC/GCC) _n and d(CAG/CTG) _n	649
Nutritional status of the Indian population	481	Molecular modelling	
Mating latency		Molecular approaches to contraceptive development	407
Incipient sexual isolation in the <i>nasuta-albomicans</i> complex of <i>Drosophila</i> : No-choice experiments	71	Morphine tolerance	
Mating preference		The enigma of morphine tolerance: recent insights	555
Incipient sexual isolation in the <i>nasuta-albomicans</i> complex of <i>Drosophila</i> : mating preference in male-, female- and multiple-choice mating experiments	365	mRNA stability	
McMullin		The <i>Escherichia coli</i> antiterminator protein BglG stabilizes the 5' region of the <i>bgl</i> mRNA	193
Controversy in science	299	Multidrug transporter	
Medically assisted reproductive technology		Specificity of drug transport mediated by <i>CaMDR1</i> : a major facilitator of <i>Candida albicans</i>	333
Molecular insights into the causes of male infertility	429	Mutability	
Megalithic		Stress-induced evolution and the biosafety of genetically modified microorganisms released into the environment	667
Prehistoric human colonization of India	491	<i>Nasuta-albomicans</i>	
Meiotic arrest		Incipient sexual isolation in the <i>nasuta-albomicans</i> complex of <i>Drosophila</i> : mating preference in male-, female- and multiple-choice mating experiments	365
Insulin alone can lead to a withdrawal of meiotic arrest in the carp oocyte	341	Neolithic	
<i>MERTK</i>		Prehistoric human colonization of India	491
Retinitis pigmentosa: mutations in a receptor tyrosine kinase gene, <i>MERTK</i>	3	Neuromuscular synapses	
Mesolithic		Understanding intercellular communication in the brain: Identified neuromuscular synapses of the fruitfly <i>Drosophila</i> serve as a model	127
Prehistoric human colonization of India	491	No-choice experiment	
Messenger		Incipient sexual isolation in the <i>nasuta-albomicans</i> complex of <i>Drosophila</i> : No-choice experiments	71
Calcium – how and why?	357		
Metabolite			
Gas chromatographic and mass spectrometric analysis of conjugated steroids in urine	627		

<i>Noggin</i> -like transcripts		
Hydra constitutively expresses transcripts involved in vertebrate neural differentiation	153	
Non-hormonal contraceptives		
Molecular approaches to contraceptive development	407	
Non-peptide hormone analogues		
Molecular approaches to contraceptive development	407	
Non-redundant tumour suppressor		
Non-redundant tumour suppressor functions of transforming growth factor beta in breast cancer	9	
Nonlinear model		
Is DNA a nonlinear dynamical system where solitary conformational waves are possible?	305	
<i>Nubbin (nub)</i>		
The wings of <i>Bombyx mori</i> develop from larval discs exhibiting an early differentiated state: a preliminary report	167	
Nuclear envelope assembly		
Early localization of NPA58, a rat nuclear pore-associated protein, to the reforming nuclear envelope during mitosis	47	
Nuclear pore complex		
Early localization of NPA58, a rat nuclear pore-associated protein, to the reforming nuclear envelope during mitosis	47	
Nucleotide base		
Why genetic information processing could have a quantum basis	145	
Olfaction		
Olfaction in the Colorado potato beetle: Ultrastructure of antennal sensilla in <i>Leptinotarsa</i> sp	233	
Olfactory pathway		
Ovarian steroid sulphate functions as priming pheromone in male <i>Barilius bendelisis</i> (Ham.)	253	
Omega speckles		
Developmental regulation and complex organization of the promoter of the non-coding <i>hsrw</i> gene of <i>Drosophila melanogaster</i>	25	
Order		
Biological factors underlying regularity and chaos in aquatic ecosystems: Simple models of complex dynamics	77	
Chaos and regular dynamics in model multi-habitat plankton-fish communities	109	
Ovary		
Current status of fertility control methods in India	391	
Palaeolithic		
Prehistoric human colonization of India	491	
Pancreatic islet-cell		
Pancreatic islet-cell viability, functionality and oxidative status remain unaffected at pharmacological concentrations of commonly used antibiotics <i>in vitro</i>	349	
Pea leaf		
Role of <i>LLD</i> , a new locus for leaflet/pinna morphogenesis in <i>Pisum sativum</i>	607	
Pea leaflet morphogenesis model		
Role of <i>LLD</i> , a new locus for leaflet/pinna morphogenesis in <i>Pisum sativum</i>	607	
PI 3-kinase		
Orally active insulin mimics: where do we stand now?	383	
<i>Pisum sativum</i>		
Role of <i>LLD</i> , a new locus for leaflet/pinna morphogenesis in <i>Pisum sativum</i>	607	
Plant signal peptide		
Recombinant pre-pro-Concanavalin A (jack bean) is stable but of low solubility	635	
<i>Plasmodium falciparum</i>		
Triclosan and fatty acid synthesis in <i>Plasmodium falciparum</i> : new weapon for an old enemy	1	
Pleiotropic phenotype		
Pleiotropic morphological and abiotic stress resistance phenotypes of the hyper-abscisic acid producing <i>Abo</i> -mutant in the periwinkle <i>Catharanthus roseus</i>	57	
Polymorphic bands		
Randomly amplified polymorphic DNA-polymerase chain reaction analysis of two different populations of cultured Korean catfish <i>Silurus asotus</i>	641	
Polymorphism		
Ethnic populations of India as seen from an evolutionary perspective	533	
Population and land use		
Increasing population and declining biological resources in the context of global change and globalization	465	
Population growth		
A holistic approach to population control in India	421	
Post-translational processing		
Recombinant pre-pro-Concanavalin A (jack bean) is stable but of low solubility	635	
Potato beetle		
Olfaction in the Colorado potato beetle: Ultrastructure of antennal sensilla in <i>Leptinotarsa</i> sp	233	
Primary motor cortex		
Functional magnetic resonance imaging of the primary motor cortex in humans: response to increased functional demands	205	
Priming effect		
Ovarian steroid sulphate functions as priming pheromone in male <i>Barilius bendelisis</i> (Ham.)	253	
Progesterone		
Current status of fertility control methods in India	391	
Promastigotes		
Dose-dependent differential effect of hemin on protein synthesis and cell proliferation in <i>Leishmania donovani</i> promastigotes cultured <i>in vitro</i>	225	
Prosody		
Getting the beat	6	
Protein		
Why genetic information processing could have a quantum basis	145	
Protein synthesis		
Dose-dependent differential effect of hemin on protein synthesis and cell proliferation in <i>Leishmania donovani</i> promastigotes cultured <i>in vitro</i>	225	
Protozoan parasite		
Dose-dependent differential effect of hemin on protein synthesis and cell proliferation in <i>Leishmania donovani</i> promastigotes cultured <i>in vitro</i>	225	
Psychological process		
Where does our behaviour come from?	561	

- phenotypes of the hyper-abscisic acid producing *Abo*-mutant in the periwinkle *Catharanthus roseus* 57
- Superposition
Why genetic information processing could have a quantum basis 145
- Surveillance
Epidemiological profile of India: Histological and contemporary perspectives 437
- Sustainable landscape management
Increasing population and declining biological resources in the context of global change and globalization 465
- SWISS-PROT
Application of InterPro for the functional classification of the proteins of fish origin in SWISS-PROT and TrEMBL 277
- Synaesthete
Of fragrant shapes and colourful sounds: The world of a synaesthete 123
- Synaptogenesis
Differential expression of syntaxin-1 and synaptophysin in the developing and adult human retina 179
- Synaptophysin
Differential expression of syntaxin-1 and synaptophysin in the developing and adult human retina 179
- Syntaxin-1
Differential expression of syntaxin-1 and synaptophysin in the developing and adult human retina 179
- Ternary complex
Topoisomerase II poisoning by indazole and imidazole complexes of ruthenium 271
- Testis
Current status of fertility control methods in India 391
- Testosterone
Current status of fertility control methods in India 391
- TGF β s
Non-redundant tumour suppressor functions of transforming growth factor beta in breast cancer 9
- Thymidine incorporation
Topoisomerase II poisoning by indazole and imidazole complexes of ruthenium 271
- Tolerance
Stress-induced evolution and the biosafety of genetically modified microorganisms released into the environment 667
- Topoisomerase II poisons
Topoisomerase II poisoning by indazole and imidazole complexes of ruthenium 271
- Traditional ecological management
Increasing population and declining biological resources in the context of global change and globalization 465
- Transgenic animals
Molecular approaches to contraceptive development 407
- TrEMBL
Application of InterPro for the functional classification of the proteins of fish origin in SWISS-PROT and TrEMBL 277
- Triclosan
Triclosan and fatty acid synthesis in *Plasmodium falciparum*: new weapon for an old enemy 1
- Tricotyledonous seedling
Pleiotropic morphological and abiotic stress resistance phenotypes of the hyper-abscisic acid producing *Abo*-mutant in the periwinkle *Catharanthus roseus* 57
- Trojan horse
World views and Trojan horses in the sociobiology debate 549
- Tuberous sclerosis complex
Tuberous sclerosis complex: A *Drosophila* connection 285
- b**-tubulin
Dose-dependent differential effect of hemin on protein synthesis and cell proliferation in *Leishmania donovani* promastigotes cultured *in vitro* 225
- Tyrosine
Retinitis pigmentosa: mutations in a receptor tyrosine kinase gene, *MERTK* 3
- Ultrastructure
Olfaction in the Colorado potato beetle: Ultrastructure of antennal sensilla in *Leptinotarsa* sp 233
- Unani
The roots of ancient medicine: an historical outline 135
- Unitary evolution
Why genetic information processing could have a quantum basis 145
- Unwound regions
Is DNA a nonlinear dynamical system where solitary conformational waves are possible? 305
- Urbanization
Prehistoric human colonization of India 491
- Uterus
Current status of fertility control methods in India 391
- Vanadium
Orally active insulin mimics: where do we stand now? 383
- Viability
Stress-induced evolution and the biosafety of genetically modified microorganisms released into the environment 667
- Vitamin A
Lens regeneration in mice under the influence of vitamin A 571
Homeotic regeneration of eye in amphibian tadpoles and its enhancement by vitamin A 577
- Wading bird
Effects of water level changes and wading bird abundance on the foraging behaviour of blacknecked storks *Ephippiorhynchus asiaticus* in Dudwa National Park, India 373
- Water level
Effects of water level changes and wading bird abundance on the foraging behaviour of blacknecked storks *Ephippiorhynchus asiaticus* in Dudwa National Park, India 373
- Wing development
The wings of *Bombyx mori* develop from larval discs exhibiting an early differentiated state: a preliminary report 167
- Wingless* (*wg*)
The wings of *Bombyx mori* develop from larval discs exhibiting an early differentiated state: a preliminary report 167

- Y-chromosome
 Molecular insights into the causes of male infertility 429
 Ethnic populations of India as seen from an evolutionary perspective 533
- Yeast enriched with chromium
 Chromium uptake by *Saccharomyces cerevisiae* and isolation of glucose tolerance factor from yeast biomass 217
- Zebrafish
 Cloning, sequencing and expression of cDNA encoding growth hormone from Indian catfish (*Heteropneustes fossilis*) 315

AUTHOR INDEX

- Anathy Vikas
 Cloning, sequencing and expression of cDNA encoding growth hormone from Indian catfish (*Heteropneustes fossilis*) 315
- Apweiler Rolf
see Biswas Margaret 277
- Archunan G
see Kannan S 247
- Azhar Mohammad
 Non-redundant tumour suppressor functions of transforming growth factor beta in breast cancer 9
- Bahadur Urvashi
see Vasudevan Nandini 39
- Balasubramanyam M
 Orally active insulin mimics: where do we stand now? 383
- Bansal Manju
see Chowdhury Shibasish 649
- Basu D
see Dasgupta S 341
- Bateson Patrick
 Where does our behaviour come from? 561
- Bhat Gurpur Praveen
 Triclosan and fatty acid synthesis in *Plasmodium falciparum*: new weapon for an old enemy 1
- Bhatt J P
 Ovarian steroid sulphate functions as priming pheromone in male *Barilius bendelisis* (Ham.) 253
- Bhattacharya S
see Dasgupta S 341
- Bhonde R R
see Shewade Yogita 349
- Biswas Margaret
 Application of InterPro for the functional classification of the proteins of fish origin in SWISS-PROT and TrEMBL 277
- Borges Renee M
 Ant and human farmers face similar problems 121
 Why are chillies pungent? 289
- Buchner Erich
 Understanding intercellular communication in the brain: Identified neuromuscular synapses of the fruitfly *Drosophila* serve as a model 127
- Chatterjee Sandipan
 Hydra constitutively expresses transcripts involved in vertebrate neural differentiation 153
- Choudhury Nirupam Roy
see Kumar Rajeev 325
- Chowdhury Shibasish
 Modelling studies on neurodegenerative disease-causing triplet repeat sequences d(GGC/GCC)_n and d(CAG/CTG)_n 649
- Dasgupta S
 Insulin alone can lead to a withdrawal of meiotic arrest in the carp oocyte 341
- Datta K
see Kumar Rajeev 325
- Dincturk H Benan
 Glutamate synthase: An archaeal horizontal gene transfer? 13
 Recombinant pre-pro-Concanavalin A (jack bean) is stable but of low solubility 635
- Dunn Anthony J
see Dincturk H Benan 635
- Feit Ira N
 Ammonia differentially suppresses the cAMP chemotaxis of anterior-like cells and prestalk cells in *Dictyostelium discoideum* 157
- Ganeshan Radhika
 Early localization of NPA58, a rat nuclear pore-associated protein, to the reforming nuclear envelope during mitosis 47
- Ghaskadbi Surendra
see Chatterjee Sandipan 153
- Gilbert Scott F
 New vistas for developmental biology 293
- Girimaji S C
see Kumar Arun 285
- Godbole N N
see Chatterjee Sandipan 153
- Gopal Y N Vashisht
 Topoisomerase II poisoning by indazole and imidazole complexes of ruthenium 271
- Gopinathan K P
see Kango-Singh Madhuri 167
- Grba Slobodan
see Zetiã Vlatka Gulan 217
- Gulati Abhilasha
 The *Escherichia coli* antiterminator protein BglG stabilizes the 5' region of the *bgl* mRNA 193