Rivero GC, 64
Roderos RR, 91
Rodriguez N, 101
Rodriguez NO, 80
Rogacion RMM, 73
Ronduen B, 31
Rueda RA, 163
Sair RR, 48
Sajise AGC , 39
Salazar MS, 48
Saloma CA, 11, 277
Salunga TL, 75, 78
Samonte JL, 108
Samson SC, 80
Sanchez ALC, 109
Sangalang JB, 39
Sano M, 152
Santiago S, 84
Santos AD, 74
Santos AL, 169
Santos GP Jr., 106
Santos LAP, 16, 17, 18, 19
Santos ORL, 71
Santos RR, 164
Sapin AB, 145
Sarmago RV, 111, 112, 115, 117
Sarmiento R, 112
Sernadilla N, 154
Sevilla FVC III, 157
Shiong Shu LL, 65
Siar SV, 39
Sibayan-Torralba MV, 117
Silvala BC, 77
Sioson RD, 111
Sison ETT, 155, 163
Solidum I RS, 109
Solsoloy AD, 44
Su Young Woo, 14
Sumalapao DEP, 113
Suñer ACS, 40
Sunico M, 156
Sustento SA, 66, 73, 145
Tabbada KA, 172
Tabora EU, 106
Taira K, 152
Tamayo JP, 96
Tambalo FZ, 145
Tan MM, 172
Tan MP, 172
Tandang DN, 13
Tanduyan SN, 55
Tanig CZ, 144
Taveros MCR, 79
Taylo LD, 26
Tenmatay L, 156
Teodosio, AL, 19
Terio RM, 109
Terrenal MJ, 123
Teves FG, 165, 166
Tolentino JA, 127
Tolentino V, 83
Torres MAJ, 82, 125, 151
Tumbokon MN, 155
Umali SM, 163
Usman C, 151
Uy JA, 128
Valencia LD, 45
Valencia SA, 131, 142
Velasco MA, 163
Vicente IC, 110
Vicmudo VR, 171
Victoria EL, 123
Vidal NB, 13
Villanueva J, 79
Villanueva JA, 64
Villanueva MA, 101
Villaseñor I, 72
Villegas VN, 45
Wadwa R, 152
Warguez D, 53
Welgas JN, 32
Welgas JN, 33
Yaptenco KF, 143
Yebron GN, 89
Zulueta CR, 124

SUBJECT INDEX

16s RNA, 149
2DE, 94
AC susceptibility , 115, 17
Acantamoeba sp., 92
Acanthamoeba, 65
ACC oxidase, 46
acetaldehyde, 100
Acid-fast bacilli , 147
activated carbon, 131
activated charcoal , 142
adhesion, 48
adsorptive capacities, 142
Aedis aegypti, 60, 98
aflatoxin , 167
Agrobacterium, 46
Albedo, 35
allanite, 106
Aloe barbadensis Miller, 76
alternate host plants, 27
alternate hosts, 29
alternative method, 26
alternative wet and drying technique, 171
Amaranthaceae, 83
Amaranthus gracilis, 72
amylose, 91
angiogenesis, 76
Annona squamosa, 154
Anona muricata , 77
anoxia, 66
antagonists, 26
anthropometric, 81
anti-CD3, 67
antigen production, 144
antimicrobial, 145
anti-TB, 81
antitumor , 81
apoptosis, 79
aquaculture, 66
artificial neural networks , 146
Asian corn borer , 27, 44
Assessment, 50
Asymmetry, 82

atomic absorption spectrophotometry, 63
autosomal dominant, 153
Avocado, 33
Azospirillum sp., 32
B. subtilis, 28
Bacillus thuringiensis, 44
Badjao, 81
Bagging, 169
ball-and-stick model, 132
banana, 47
barks, 97
basic methylene blue dye, 142
BBTV, 47
beneficial weeds, 29
beneficiation, 130
Beta vulgaris, 72
Bi-2212, 111
bioaugmentation , 136
biocatalysis , 104
biocontrol potentials , 28
biodiversity conservation option, 13
bio-economic production function, 170
bioinformatics, 159
biological control, 23, 60, 98
biological modifier, 103
biological treatment, 136
bioluminescent bacteria, 61
biomedical research, 159
biopsies, 149
bioremediation, 63
biotransformation, 104
bleaching, 22
body morphometrics, 82
botanical materials, 26
bottom spray coating fluidized bed, 137
Bradford method, 93
Brassica campestris var. *chinensis*, 57
breast cancer therapy, 152
breeding, 40
bruising, 143
BSCCO, 115
BSCCO/Ag Films, 112
BSWM Station, 32
Bt-corn, 27
caballero, 99
CABG, 164
cadmium resistance, 63
cagA gene, 149
calcium oxalate, 83
CAMAC, 109
Camotes Islands, 55
cancer, 166
carbazole, 102
carboxylic acids, 131
carcinogen, 167
Carrageenan , 17, 18, 20, 101
carrageenan yield, 19
Cartesian product , 119
Cartesian product, 120
caseation necrosis, 147
cashew nut shell liquid, 48
catalysts, 102
Cayley table , 124
CC49 carcinoma, 74
CD-ELISA, 167
CDNA sequence, 96
cell migration, 70
ceramic glazes , 134
ceramics, 130
Cercospora canescens, 30
chemical effluent, 22
chemical reactivity, 69
chemoattractant, 70
chitinase, 87
Chlorella pyrenoidosa , 73
chlorine-free bleaching, 22
chloroplast DNA (cpDNA), 91
chorioallantoic membrane assay, 76
Christianity, 4, 180
clone, 161
cloning, 90
CMS (Cytoplasmic Male Sterile), 43
coagulation, 138
co-ancestry coefficient, 172
coat protein gene (CP) , 90
Cobb-Douglas production function, 169, 170
Coccinellini, 54
coconut, 35, 88, 94, 96
coconut oil, 145
Cocos nucifera , 94, 96
Codiaeum variegatum, 77
colorectal cancer, 80, 153
combinatorial problems, 126
community structure, 53
composition , 118, 120
compression, 143
conjunction, 121
controlled irrigation , 171
controlled-release fertilizer, 137
conventional fertilizer, 137
convex, 121, 122
convex basic, 122
convex hull, 119
convex set, 118, 119
convexity number, 121, 122
cooked kernel length and width, 91
copepods, 60, 98
Copper(II) , 140
Cordillera, 29
corn, 27
corn borer, 87
corncob, 142
corona, 121
coronary artery bypass graft, 164
cost function, 169
cotton, reproductive potential, 59
cotyledon, 34
cotyledonary node, 34, 35
cross compatibility, 39
Cruciferae, 57
cryopreservation, 36
crystals , 83
cultural life, 5, 192
culture period, 85
cuttings, 21

cyanobacteria, 63
cycle derivative, 116
cytotoxic activities, 79
cytotoxicity, 68, 73
D.F.A., 132
Dasia griffini, 53
data bank, 160
data management, 159
Dawson, 108
democracy, 173
dengue, 60, 98, 160
Dengue virus, 144, 161
Dental Informatics, 156
Dental Registry, 156
dermatoglyphic characters,81
development, 7, 202
development period, 57
dHPLC, 153
diabetes , 151
diarrhea, 150
direct acclimatization, 85
directional cloning , 87
Disease databases, 148
dissolution test, 137
distance learning, 139
distillery slops , 138
distribution, 18, 51
DNA sequence analysis, 161
DNA sequencing, 153
domestic policies, 7, 223
domestication, 13
doping, 111
dressing regimen, 164
druse, 83
ecological, 54
edge cover , 120
edge covering number, 120
efficacy, 25
efficacy test, 137
eggplant, 24
electronic data compilation, 160
Electrophoretic Deposition, 112
elihood system analysis, 168
ELP, 105
embryogenesis, 86
Emissions from diesel-coconut methyl ester blends , 100
enantiomer, 104
encapsulation-dehydration, 36
endangered plants, 13
endemic, 54
energy, 114
Enterohemorrhagic, 150
Enteropathogenic, 150
envelope gene, 161
environmental carcinogens, 166
enzyme linked immunosorbent assay, 45
epicotyl, 35
Eribarus argenteopilosus, 59
erosion hot spots, 16
erosion modeling, 16
Escherichia coli , 150
ETS, 167
eulerian, 116
Even Harmonics, 117
ex situ conservation, 50
ex vitro, 85
exchange-relations, 202
exons, 153
exopolysaccharide (EPS), 140
expert system, 146
expression cassette, 87
extracellular proteolytic activity, 66
$F(ab')_2$, 67
F_1 interspecific hybrid, 39
farmers' field school, 170
fatty acid synthesis, 88
fauna, 55
female, 82
Ferromagnetic, 114
fertilization, 21
fertilizer, 21
finite group, 124
finite rate of increase, 59
fipronil, 24
firing, 134
first feeding, 62
fish farming, 66
fish larvae, 62
flocculation, 140
flora, 50
food industry, 17
forest landscape, 13
formaldehyde, 100
FPLC, 94
Fst, 172
FTIR , 107
fungal flora, 52
gamma radiation, 47
gamma ray, 33
gargantuan, 54
garlic, 28
garlic pests, 26
gastroduodenal diseases, 149
Gauss-Newton Method, 113
GCMS, 162
genetic diversity, 30
genetic fidelity, 41
Genetic variability, 43
genetics, 151
geodesic, 122
geodetic basis, 118
geodetic cover, 118
geodetic number, 118
geographical information system (GIS), 16
geothermal waste, 105
germplasm, 43
gibberellic acid, 35
ginger, 91
glaze, 130
Global Linear Collider, 110
globalization, 7, 223
glyphosate-tolerance, 44
Golden snail, 49
graft rejection, 67
grain quality, 91
Grammatophylum scriptum, 85
granuloma, 147
graph, 121, 122

Groundwater level
fluctuation model, 129
groundwater recharge, 129
growth, 68
growth and development, 85
growth curves, 144
growth promoter, 84
gum, 99
H_2S, 66
hamiltonian, 116
Harmonic Susceptibility, 117
hazardous wastes, 105
headworm, 23
health monitoring , 158
health status measures, 155
health surveillance, 158
heavy metals, 97
Hibiscus rosa-sinensis, 154
Helicobacter pylori , 149
Helicoverpa armigera, 59
hepatic TB, 147
Hereditary nonpolyposis , 153
heterocycles , 102
heteropolyanions , 108
Hibiscus rosasinensis, 77
Higaonon, 81
High Performance Liquid Chromatography, 93
high-value crops, 29
hippocampus, 75, 78
HMLHI gene, 153
Hologerrum philippinum, 53
hot-and cold check resistance, 48
HPLC, 162
hull number, 119
hull set, 119
humanist, 173
humanities, 5
hybrid rice, 40, 43
hydrosoluble, 73
hysteresis, 114
IgM capture ELISA, 144
Ilocos raw materials, 130
immunohistochemistry, 75,78
immunolocalization, 74
immunosuppressant, 167
impact, 143
Imperata cylindrica, 77
importance values, 29
in vitro conservation, 36, 37, 38
in vitro culture, 86
in vitro mutation, 33
in vitro residence, 85
in vitro technology, 47
inbred lines, 39
incidence, 166
independence number, 122
indigenous, 134
infectious diseases, 148
infectivity assay, 144
innovative strategies, 10, 244
innovativeness, 277
Insect resistance Management (IRM), 27
institutions, 7, 202
integrated pest management, 168
intellect, 5
intellectual capital, 11, 277
internal microstructure, 141
intertidal and subtidal zones, 17
intrinsic rate of increase, 59
Intsia bijuga, 21
inventory, 50, 55
Iota-carrageenan, 84
Ipomoea aquatica, 65
Ising Model , 114
isoform, 88
isoforms, 96
isozymes, 41
Java, 132
Java 3D API, 132
JLC Study Framework (JSF), 110
Kappa-carrageenan , 84
Keggin, 108
ladybird beetles, 54
Latin square, 124
law, 173
leafhopper 24
leaking bucket model, 129
lectins, 92
legumes, 34
life history, 27
light, 35
linseed oil, 48
lipolytic, 93
lipopolysaccharide, 71
liv, 168
L-NMMA, 71
low-fire, 130
lung scan, 146
m_1 mAChR subtype , 75
Macarthur-Wilson Model, 113
mAChRs, 78
macrophages, 71
Macrophytes, 53
macropropagated, 21
magnetic susceptibility, 114
magnetization, 114
male, 82
male sterility, 40
managed harvesting, 13
mango, 169
mangrove, 53, 55
mapping, 126
mariculture, 66
marine sediments, 66
marine sponges, 79
maximum convex set, 121
MCF-7, 79
MDR1, 152
medicinal plants, 77, 157
medicinal properties, 29
medium chain fatty acid, 88
mercury, 65
Mesocyclops, 60, 98
metabolic disorder, 162
metabolic profiling, 162
metaheuristics, 126
metarhizium, 24
microalgae, 63
microprojectile bombardment, 45

microsatellite markers, 43
microstructures, 133
mineral constituent, 141
Mismatch amplification mutation assay (MAMA), 150
mismatch repair genes, 153
model, 132
modeling, 129
modern, 4, 180
modified Knudson Formula C medium, 86
molecular analysis, 89
Molecular diagnostics , 148
molecular diversity, 43
mollusks, 53
Monobo, 81
monoclonal antibodies, 67
Monomolecular Model, 113
Monte Carlo, 114
Moringa oleifera, 138
morphological growth, 15
mortality, 24, 25
mosquitoes, 60, 98
Mt. Banahaw de Lucban, 51
Mt. Kimangkil, 53
multidisciplinary learning, 244
multiplex PCR, 150
mungbean, 30
mutation, 47, 69, 161, 165
Mykovam, 21
NAFIL , 127
neovascularization, 70
NIDDM Non-Insulin Dependent Diabetes Mellitus, 165
nitrogen cycling, 66
NLIN procedure, 113
NO synthase , 71
nomenclature , 132
non conventional , 22
non-Abelian, 127
Non-Associated Finite Invertible Loop, 123
non-isometric loop, 127
non-traditional sources, 20
Northwestern Luzon, 19
[NOS] Endothelial nitric oxide gene, 165
noxious weeds, 29
NPK, 32
ntibody affinity, 69
nucellus, 37, 38
nutraceutical value, 89
nutraceutical, 52
octonion algebra, 123
oil, 131
oleosin, 96
online health information systems, 158
open-source software, 157
Orchidaceae, 86
Oreochromis niloticus L., 62
organic acids, 162
organogenesis, 35, 86
Ostrinia Furnicalis (Guenee), 27
Oxytricha sp., 68
p53 , 152
packaging film, 101
Panguil Bay, 53
papaya ringspot virus (PRSV), 39, 45
parasitization, 23
parasitoid, 23
Parian, 130
pathogenicity, 65
patient education , 155
PCR, 65, 153
peanut, 89
pedigree analysis, 151
pesticidal, 25
pesticide regulation, 170
pesticide use, 170
PFBHA, 100
phagocytosis, 73
Phalaenopsis sp. explants, 86
pharmaceuticals, 104
Philippines, 180
Philippine agriculture, 7, 223
Philippine fungi, 52
Philippine orchid, 85
Philippines, 4, 19, 172
photomicrograph, 141
Phyllotreta striolata, 57
phylogenetic analysis, 161
phylogeny, 91
physico-chemical properties, 99, 101
physiological characteristics, 15
phytochelatins, 65
phytoplanktons, 54
planktons, 54
plant bioactivity, 157
plant biochemical constituents, 157
plant regeneration, 33, 34
plantlet regeneration, 37, 38
plaque-purified viruses, 144
plastic scintillator, 109
Pleurotus florida, 84
pollen viability, 39
polyelectrolyte, 140
Polymerase Chain Reaction (PCR), 148
Polymorphism, 165
population abundance, 57
population studies, 172
porcelain , 130
potyvirus, 90
prime or induced cycle , 116
primers, 90
prismatic, 83
product of graphs, 128
protocorms, 85
protozoans, 68
pruning , 169
Pseudomonas aeruginosa, 103
Pteridophytes, 51
publication output, 11
pulmonary embolism, 146
pulp, 22

purification, 90
purple blotch, 28
pyridine, 108
quadrat sampling , 29
quantitative trait loci , 91
quasigroup, 124
Quezon province, 13
R_1 lines, 45
RFLP Restriction Fragment Length Polymorphism, 165
RACE (Randomly Amplified cDNA Ends), 88
radiation hybrid, 126
random amplification of polymorphic DNA (RAPD), 91
rare earth elements, 106
rare earth oxides, 106
rare earths , 106
rat, 75, 78
rat brain, 75, 78
red algae, 17, 19
redox potential, 66
regular graph, 116
repository, 160
rep-PCR, 30
reptiles, 53
resistance, 45
restorer lines, 43
resveratrol synthase, 89
retinoic acid antiteratogenesis, 154
reverse transcriptase polymerase chain reaction (RT PCR), 90
rheumatic heart disease, 155
ribulosebisphosphate carboxylase large sub-unit (rbcL), 91
rice hull, 107
rollerdrum, 35
rubber seed oil, 48
RupR, 44
Saccharomyces cerevisiae, 103
sampaguita, 168
sand crystals, 83
Sarcandra glabra, 154
Saturated Liquids, 113
Scanning Electron Microscope (SEM), 141
Schizophyllum commune, 52
secondary education, 244
science, 173, 192
science culture, 10, 268
science education, 268
scientific manpower, 268
scientific productivity, 11, 277
SDS-PAGE, 94
Sea weeds, 20
seasonality, 18
seaweeds, 53
secondary education, 10, 244
sedenion algebra, 123
sedenion loop, 123
SEM, 107
Serratia marcescens, 87
serum bank, 160
shallow aquifer, 129
Shiga-toxin, 150
short tandem repeat, 172
silica gel, 107
simple sequence repeats, 91
single crystals, 111
slip casting, 130
small inhibiting RNAs, 152
SMS, 158
Somatic Embryo Induction Medium (SEIM), 46
somatic embryogenesis, 35, 37, 38
somatic embryos, 33, 36
sorosilicate, 106
soya bean oil, 48
spanning, 120
specific heat capacity, 114
sponge, 81
square lattice, 114
SSR markers, 43
Standard Model, 110
sternotomy dressing, 164
structural clay bricks, 133
subcellular fractions, 65
substitution, 108
sulfate reduction, 66
sum, 120
sum of graphs, 128
sunflower, 23
superconductivity, 115
Superconductors , 111
supercritical carbon dioxide, 93
superoxide radicals, 71
sustainable resource management, 16
sweetpotato, 90
sweetpotato feathery mottle virus (SPFMV), 90
swine/hog/pig, 49
symptomatology, 45
synthesis, 104
T. harzianum, 28
Taal Lake, 61
TAG-72, 74
TAG-72, 80
taxonomic, 54
TCLP , 105
Teonella, 81
Tetrahymena pyriformis, 92
Textured Films, 112
TGMS, 40
thermal cyclization, 102
thermosensitive, 40
third culture, 5
thorium, 106
threshold, 143
tilapia, 61
tissue culture, 33, 34, 35, 41
tobacco seed formulation (TSOF), 25
trade restrictions, 7, 202
traditional, 4, 180
transformation, 37, 38, 46
transformer oil, 131
traveling salesman, 126
tree plantation, 97

triacylglycerol, 94
tri-axial diagram, 134
Trichogamma, 23
trickling filter, 136
tube formation , 70
tumor progression , 74
tumor-associated
glycoprotein, 80
tung oil, 48
uptake, 65
uranium, 106
urban agriculture , 168
urbanization, 7, 223
urea, 21
urinary tract infections,
145
vacA genotypes, 149
vector cover , 128
vector covering number,
128
Vibrio, 61
virtual classroom, 139
Vital N™ , 32
waste tobacco stalks, 22
wastewater, 136
wastewater treatment, 138,
140
water vapor adsorption,
107
water-saving, 171
watershed, 16
Wavelength Shifting (WLS),
109
wild edible mushroom, 52
wireless technology, 158
XRD, 107
XRF, 107
yard-long bean, 34
YBCO , 117
young coconut, 143
Zea mays, 27
Zingiberaceae, 91
b-MG, 145
b-monoglyceride , 145