

CONTENTS: IJRBAT

SET 1

SR. NO.	TITLE OF PAPER & AUTHOR	PAGE NO.
1	STUDY OF HEMATOLOGICAL PARAMETERS OF YOUNG GROWING CHICKS SUPPLEMENTED WITH MOLLUSCAN DIET S. R. Akarte and R. Bahadure	1
2	SYNTHESIS, MAGNETO-SPECTRAL CHARACTERIZATION AND ANTIMICROBIAL ACTIVITY OF ALKALI METALS WITH 4-CHLOROISONITROSOACETOPHENONE (4-CIINAP) P. N. Bagade, R. D. Raut and S. Z. Jadhav	9
3	ZOOPLANKTON DIVERSITY AND THEIR POPULATION IN DEVCHANDI DAM, WASHIM, MAHARASHTRA, INDIA Vijay B. Bhagat	19
4	ROLE OF HEAVY METAL SALTS IN PROTECTION OF VIGNA MUNGO (L.) HEPPER SEEDLINGS AGAINST ALTERNARIA LEAF SPOT INFECTION BY SEED TREATMENT M. N. Bhajbhuj	23
5	RECENT TREND IN PHYSICO-CHEMICAL PARAMETERS OF SONG RIVER AT NEPALI FARM DISTRICT DEHRADUN, UTTARAKHAND, INDIA R. Bhutiani	34
6	ASSESSMENT OF PHYSICO-CHEMICAL CHARACTERISTICS OF SARKARI TALAB WITH REFERENCE TO POLLUTION AT GONDIA, MAHARASHTRA Indira A. Budhe	45
7	MODERATE FOAMING ECOFRIENDLY DETERGENTS BASED ON ROSIN AND LINSEED OIL P. P. Chahande	55
8	EFFICACY OF SOLVENT EXTRACTS OF SOME MEDICINAL PLANTS FOR POTENTIAL ANTIBACTERIAL ACTIVITY. Chandrashekhar J. Chandekar and Priya L. Lokhande	63
9	SYNTHETIC STRATEGY FOR TAILORING OF FERRIC OXIDE AS A PHOTO-CATALYST BY DIFFERENT METHODS. Shyam Daware, C. Hatwar, P.S. Deshpande and R. S. Bhavsar	70
10	EFFECT OF COINOCULATION OF GLOMUS FASCICULATUM AND BACILLUS ON GROWTH OF OKRA PLANT M.S. Darade	81
11	EFFECT OF FOLIAR SPRAY OF HUMIC ACID THROUGH COWDUNG AND VERMICOMPOST WASH ON BIOCHEMICAL PARAMETERS AND YIELD OF GREEN GRAM Rajesh Deotale, P. Ghadage, S. U. Charjan, P. D. Peshattiwar and V. S. Jayade	86

SR. NO.	TITLE OF PAPER & AUTHOR	PAGE NO.
12	HYDROBIOLOGICAL STUDIES OF FRESHWATER ECOSYSTEMS OF BHANDARA DISTRICT OF CENTRAL INDIA WITH SPECIAL REFERENCE TO TROPHIC LEVEL STATUS <i>Deshmukh and Tarar</i>	93
13	A STUDY OF CLUSTERING METHODS BASED ON CLASSIFICATION <i>PankajDhumane</i>	104
14	BIODIVERSITY IN INDIA: CHALLENGES AND OPPORTUNITIES <i>Purnima Gaur and TuhinaJohari</i>	109
15	ELECTRICAL PROPERTIES OF Y-TYPE SUBSTITUTED CALCIUM HEXAFERRITE <i>S. R. Gawali</i>	112
16	DIELECTRIC RELAXATION OF ETHANOL IN BENZENE AT 300 K and 10.15 GHz <i>Shashikant B. Gedam</i>	120
17	STUDY OF MACROINVERTEBRATE AS A BIOLOGICAL INDICATOR OF POLLUTION IN RIVER WAINGANGA AT MARKANDADEO VILLAGE, TAH-CHAMORSHI, DISTRICT-GADCHIROLI (M.S.) INDIA. <i>S. G. Gedekar and R.V.Tijare</i>	124
18	ANTIMICROBIAL ACTIVITY & PHYTOCHEMICAL ANALYSIS OF LEAF EXTRACT OF BRIDELIA RETUSA <i>Gopal S. Gond</i>	134
19	EFFECT OF EDAPHIC FACTORS ON THE DIVERSITY OF VAM FUNGI <i>Rajan Kumar Gupta</i>	141
20	STUDY OF WATER QUALITY OF BHIMA RIVER WATER AT TULAPUR. DIST. PUNE. MAHARASHTRA (INDIA) <i>Jagtap P. B.</i>	154
21	THE ORNAMENTAL FISH SPECIES IN THE RIVER BHIMA (EASTERN PART). MAHARASHTRA (INDIA) <i>Tejaswini P Jagtap, and Panditrao B Jagtap</i>	164
22	ANATOMY OF MALE REPRODUCTIVE SYSTEM OF LEAF-NOSED BAT, HIPPOSIDEROS SPEORIS (SCHNEIDER): CHIROPTERA <i>JanbandhuKishor S., ShendeVirendra A. and PatilKishor G.</i>	172

SET 2

SR. NO.	TITLE OF PAPER & AUTHOR	PAGE NO.
23	SIMPLIFIED TRIPLE TEST CROSS ANALYSIS FOR YIELD, YIELD CONTRIBUTING AND FIBRE TRAITS IN COTTON (<i>Gossypiumhirsutum</i> L.) V. S. Jayade , S R. Patil, P. D. Peshattiwarand R. D. Deotale	175
24	AN EFFICIENT SYNTHESIS OF NOVEL BIOACTIVE NEW COUMARIN SCHIFF'S BASE. Pravin S. Jogi	185
25	STUDY OF BIODIVERSITY OF FUNGAL BIOAEROSOLS IN MUMBAI METROPOLIS Umesh B. Kakde	193
26	IN VITRO ANTAGONISTIC ACTIVITY OF BACILLUS THURINGIENSIS AGAINST FISH PATHOGENS PREVAILING IN AQUACULTURE R.R. Kamdi , V.S.Wadhai and P.R. Bhandari	206
27	SELECTIVE REMOVAL OF TOXIC METALS FROM WASTE WATER USING p-CRESOL, DITHIOOXAMIDE AND FORMALDEHYDE (p-CDF) S. S. Katkamwar , S. B. Kapoor and P. M. Telkhade	211
28	HEPATOPROTECTIVE ACTIVITY OF STEM BARK OF BAUHINIA TOMENTOSA Parimal P. Katolkar and Nandakishore J. Duragkar	219
29	BIODIVERSITY IN WILD VEGETABLES OF KONKAN REGION - MAHARASHTRA Tabassum M. A. Khan and Umesh B. Kakde	226
30	SEASONAL DIVERSITY OF BENTHIC-MACROINVERTEBRATES IN JUNONA LAKE, DIST. CHANDRAPUR (M.S.), INDIA Khinchi P.J., Telkhade P. M. and Pandao S.P	241
31	STUDIES ON REMOVAL OF METAL CONTENT USING COAL BASED ADSORBENT THROUGH WASTEWATER. R. U. Khope	247
32	SYNTHESIS AND ANTIMICROBIAL ACTIVITIES OF - 5 - (SUBSTITUTED PHENYL) - 5 - (SUBSTITUTED BENZYL) - 2 - SUBSTITUTED THIOHYDANTOIN. Sanjay VitthalraoKolhe	255
33	ANTIBACTERIAL ACTIVITY OF APIS FLOREA HONEY. Sulbha V. Kulkarni , ShilpaPawankar, MayuriKulkarni	260
34	ICHTHYOFAUNAL DIVERSITY IN UPPER STRETCHES OF RIVER BEAS, HIMACHAL PRADESH, INDIA Ashok Kumar and D. R. Khanna	266
35	ANALYSIS OF NUTRITIVE VALUE OF PEANUT PRESS CAKE, FERMENTED BY <i>N. sitophila</i> NCIM 899 and <i>R. oligosporus</i> NCIM 1215.. Kumbhare P. H.	273

SR. NO.	TITLE OF PAPER & AUTHOR	PAGE NO.
36	EFFECT OF THREE COMMONLY USED INSECTICIDES ON HISTOMORPHOLOGY AND HISTOCHEMISTRY OF TESTIS OF EARTHWORM EUDICHOGASTER KINNEARI (ANNELIDA: OLIGOCHETA) LeenaLakhani	281
37	ASSESSMENT OF GRAIN QUALITIES OF WHEAT (<i>Triticumaestivum</i> cv. HD 2329) DURING STORAGE AGAINST KHAPRA BEETLE (<i>Trogodermagranarium</i> Everts) Prachi Lambat , Ashish Lambat, Sanjeev Charjan and Rajesh Gadewar	292
38	EFFECT OF FUNGICIDE PROPICONAZOLE ON OXYGEN CONSUMPTION RATES OF SNAIL LYMNAEA ACCUMINATA (LAMARCK) A. N. Lonkarand A. D, Bobdey	298
39	ANNUAL VARIATION IN SERUM LIPID PROFILE OF THE INDIAN MALE FLYING FOX <i>Rousettusleschenaulti</i> (DESMEREST) Archana Masram	304
40	ETHNOBOTANICAL STUDIES ON THE FLORA OF YAVATMAL DISTRICT – SOME INTERESTING REPORTS OF HERBAL MEDICINES Ravindra S. Matte	314
41	THE SEASONAL ROTIFER DIVERSITY IN KARMAVEER KANNAMWAR RESERVOIR REGADI,TAH.-CHAMORSHI,DISTRICT GADCHIROLI(MS), INDIA. M. P. Meshram and R. V. Tijare	322
42	A STUDIES ON BENTHIC FAUNA OF AMRAVATI DISTRICT (M.S) C. B. Meshram	328
43	SYNTHESIS, CHARACTERISATION AND ANTIDIABETIC SCREENING OF Co(II),Cu(II),Zn(II) AND La(II) COMPLEXES OF GLIMEPERIDEA STANDARD SYNTHETIC ALLOPATHIC DRUG. Mohammad Tawkir	336
44	POPULATION DENSITY OF FRUIT PIERCING MOTHS OF GENUS OTHREIS AND EXTENT OF DAMAGE IN THE ORANGE ORCHARDS OF VIDARBHA REGION OF MAHARASHTRA A. S. Mohite and C. K. Deshmukh	354
45	A BACTERIOLOGICAL STUDY OF MITHI RIVER WATER IN MUMBAI METROPOLIS Aarti S. Nagarsekar and Umesh B. Kakde	362
46	PHYTOPLANKTON DIVERSITY OF MASANGHAT LAKE OF BHADRAWATI, MAHARASHTRA, INDIA P. N. Nasare	375
47	PHYTOCHEMICAL SCREENING AND BACTERICIDAL EFFECT OF SOME PLANT OILS OF FAMILY APIACEAE, LAMIACEAE AND MYRTACEAE, AGAINST APEC, A MICROBE OF ZOONOTIC IMPORTANCE SeemaNimbarte	383

SR. NO.	TITLE OF PAPER & AUTHOR	PAGE NO.
48	SEASONAL TEMPERATURE CHANGES AND THEIR INFLUENCE ON FREE CARBONDIOXIDE, DISSOLVED OXYGEN(DO) AND PH IN ASHTI LAKE OF WARDHA DISTRICT, MAHARASHTRA. S.S. Ningare , A.S. Patankar, P.M. Telkhade and S.B. Zade	393
49	EFFECTS OF WITHANIA SOMNIFERA (ASHWAGANDHA) AND TERMINALIA ARJUNA (ARJUNA) ON SYSTOLIC AND DIASTOLIC BLOOD PRESSURE A.S. Patankar, S.S. Ningareand P.M. Telkhade	400
50	PRELIMINARY STUDY OF EFFECTS OF IDOL IMMERSSION ON FUTALA-TELANGKHEDI LAKE NAGPUR, INDIA KishorPatil , VirendraShende,and KishorJanbandhu	408
51	STUDIES ON BIODIVERISITY OF PLANTS USED FOR CURING SKIN DISEASES BY TRIBAL PEOPLE FROM AMBABARVA SANCTUARY (M.S.) INDIA SantoshPatole	411
52	EFFECT OF CHROMIUM SUBSTITUTION ON STRUCTURAL,ELECTRICAL AND MAGNETIC PROPERTIES OF NANOCRYSTALLINE SUBSTITUTED STRONTIUM HEXAFERRITES Sheela A. Pawade , S. R. Gawali, P. R. Moharkar, Vivek M. Nanotiand Kishor G. Rewatkar	416
53	IDENTIFICATION OF FORMICIDAE ANTS FROM WADALI GARDEN AND HUMAN HABITAT OF AMRAVATI, M.S. (INDIA) Santosh S. Pawar and Shabina A. Nagariya	426
54	COMPARATIVE PHARMACOGNOSTIC STUDY OF TWO SPECIES OF CHLOROPHYTUM KER-GAWL. S. D. Petkar	430
55	SEASONAL VARIATIONS IN THE PHYSICO-CHEMICAL PARAMETERS OF GROUNDWATER AT UJJAIN INDIA SEASONAL VARIATIONS IN THE PHYSICO-CHEMICAL PARAMETERS OF GROUNDWATER AT UJJAIN INDIA Madhubala Purohit and Neelam Sharma	434
56	ROLE OF SMALL WATER BODIES IN SUSTAINING AVIAN DIVERSITY: A CASE STUDY OF DULAHARA POND RATANPUR (DISTT. BILASPUR, C.G.) Shubhada Rahalkar and Anju Tiwari	442
57	HISTOMETRY OF TESTES AND ACCESSORY REPRODUCTIVE GLANDS OF MICE, EXPOSED TO THIODAN AND MALATHION. I. A. Raja	450
58	GENERALIZATION AND CONVENTIONS OF VARIOUS COORDINATE SYSTEM Rajurkar R. K.	458
59	WATER QUALITY ASSESSMENT OF DRINKING WATER OF SELECTED ZILLA PARISHAD PRIMARY SCHOOLS NEARBY GADCHIROLI CITY, MAHARASHTRA Suresh B. Rewatkar	463
60	MICROELEMENTAL ANALYSIS OF RICE (ORYZA SATIVA) USING ENERGY DISPERSIVE X-RAY SPECTROSCOPIC (EDXRF) TECHNIQUE V. K. Rewatkar, A. A. Saoji and K. G. Rewatkar	468
61	ENVIRONMENT AND HEALTH IN INDIA Lalita S. Roychoudhary , N. K. Bahekarand Y.M. Maskare	472

SET 3

SR. NO.	TITLE OF PAPER & AUTHOR	PAGE NO.
62	INFLUENCE OF TEMPERATURE VARIATION ON REPRODUCTIVE ATTRIBUTES OF ZYGOGRAMMA BICOLORATA (COLEOPTERA: CHRYSOMELIDAE) A POTENTIAL BIOCONTROL AGENT OF WEED PARTHENIUM HYSTOROPHORUS Rina Saha, Manoj Bangadkar and I. A. Raja	479
63	ON A NEW NEMATODE, CAPILLARIA STRIATA N.SP. FROM FRESH WATER FISH CHANNA STRIATUS (BLOCH) Rashmi Sao	486
64	POLYMORPHISM OF RED BLOOD CELL IN PERIPHERAL BLOOD SMEAR OF THALASSEMIA AFFECTED PERSON. H. P. Sapkal	489
65	A Rare Mitosporic Fungi from Ghatanji (M.S.) India M. A. Shahezed	493
66	CORRELATION OF CRUSTACEAN POPULATION WITH PHYSICO-CHEMICAL FACTORS FROM ASOLAMENDHA LAKE, DIST. CHANDRAPUR (M. S.), INDIA Avinash J. Shastrakar and Rajendra V. Tijare	497
66	MOLECULAR INTERACTION THROUGH FREE VOLUME AND INTERNAL PRESSURE OF AQUEOUS AMINO ACIDS AT 308.15 K AmardeepShende, HemantBaradkarand Vilas Tabhane	506
67	RECYCLING WASTES INTO VALUABLE ORGANICA FERTILIZER: VERMICOMPOSTING Shobha Shouche, Praveesh Bhati and Sudheer Jain.	520
68	UTILITY OF PRECISION AGRICULTURE PRACTICES FOR SUSTAINABLE BIO- DIVERSITY MANAGEMENT IN INDIA Rameshwar Soni	528
69	PROTECTION AND CONTROL OF THE ENVORMENT Madhukar Sonune	531
70	THE MYXOMYCETES OF SOUTH-EAST MAHARASHTRA (INDIA) R. R. Tembhurne	537
71	INFLUENCE OF SULPHUR OXIDIZING FUNGI ON GROWTH AND YIELD OF SOYBEAN Kuldeepsingh Thakur	545
72	ISOLATION AND CHARACTERIZATION OF EFFICIENT PLANT GROWTH PROMOTING, CELLULOLYTIC AND PHOSPHATE SOLUBILIZING MICROORGANISMS FOR THE PREPARATION OF BIOACTIVE PHOSPHOCOMPOST FROM THE AGROWASTES Deep Shikha Thakur , Rajesh Kaushaland R. G. Upadhyay	557
73	THE abc-CONJECTURE: A GLIMPSE ON HISTORY, STATEMENT, EXPOSITION, STATUS AND CONSEQUENCES Uday S. Thool, Prajay S. Thuland Kishor D. Patil	570

SR. NO.	TITLE OF PAPER & AUTHOR	PAGE NO.
74	EFFECT OF SUBINHIBITORY CONCENTRATIONS OF METHICILLIN AND VANCOMYCIN ANTIBIOTICS ON GROWTH OF STAPHYLOCOCCUS AUREUS V. U. Thool, B. J. Wadher and G. L. Bhoosereddy	575
75	SCREENING OF BIO ACTIVITY OF DIFFERENT PARTS OF A LEGUMINOUS MEDICINAL PLANT IN VARIOUS SOLVENT EXTRACTS Punita Tiwari	582
76	DETECTION OF MULTIPLE DRUG RESISTANCE (MDR) BY E- TEST METHOD OF GRAM NEGATIVE BACTERIA ISOLATED FROM CLINICAL ISOLATES FROM WOUND INFECTION Pradip M. Tumane and Durgesh Wasnik	590
77	BACILLUS THURINGIENSIS AS A BIOPESTICIDES AGAINST FISH PATHOGENS OF CHANNA MORULIAS FROM WAINGANGA RIVER OF GADCHIROLI DISTRICT OF MAHARASHTRA STATE, INDIA. V. S. Wadhai	597
78	INFLUENCE OF IONIC STRENGTH OF MEDIUM ON COMPLEX EQUILIBRIA OF LANTHANUM (III) AND NEODIMIUM (III) WITH SUBSTITUTED SCHIFF'S BASES Sanjay Wagh	606
79	USE OF INDEX ANALYSIS TO EVALUATE THE WATER QUALITY OF LAKES NEAR WANI, DIST. YAVATMAL, INDIA Shankar R. Warhate	611
80	STUDY OF ANTIBACTERIAL RESISTANCE OF URINARY PATHOGENS IN CHANDRAPUR AREA OF MAHARSHTRA STATE Manish Wasamwar, Vijay Wadhai and GopalGond	618
81	ASSESSMENT OF NUTRITIONAL AND THERAPEUTIC VALUES IN FLORAL DIVERSITY (FRUITS) AND ITS IMPACT ON HUMAN HEALTH Ulka Yadav, Shraddha Mittal and Nishchhal Yadav	622
82	ANALYSIS OF HEAVY METALS AND COLIFORM IN SAMPLES OF DRINKING WATER COLLECTED FROM MUNICIPAL AND PRIVATE SCHOOLS OF GOREGAON SUBURBAN OF MUMBAI, INDIA Zodape G. V., Dhawan V.L. and Wagh R.R.	630
83	QUALITY ATTRIBUTES OF TOMATO GROWN ORGANICALLY ON KITCHEN WASTE MANURE S. D. Bhojar and Sunita Borkar	652
84	MELLITOPALYNOLOGICAL STUDIES ON ROCK BEES HONEY SAMPLES DURING WINTER SEASON IN KUHEE AREA OF NAGPUR DISTRICT IN MAHARASHTRA STATE , INDIA Mate D. M.	663
85	REPRODUCTIVE BEHAVIOR OF ARUNDO DONAX L. C. A. Nikhade and K.H. Makde	670
86	TO ASSESS THE WATER QUALITY OF THE SELECTED RIVERS IN GADCHIROLI AND BHANDARA DISTRICTS OF MAHARASHTRA STATE (INDIA) Doifode S. K. and Rewatkar S. B.	680

SR. NO.	TITLE OF PAPER & AUTHOR	PAGE NO.
87	STUDIES ON MACRO-ZOOBENTHOS IN ASHTI LAKE, DISTRICT WARDHA (M.S.) INDIA U. W. Fule , S. S. Ningare, P. M. Telkhade and S. B. Zade	689
88	INFLUENCE OF ECO-FRIENDLY NON-TOXIC INDIGENOUS ORGANIC PREPARATION ON PHYSIOLOGICAL AND MYCOLOGICAL CHANGES IN LENTIL Rajesh Gadewar, Ashish Lambat, Sanjeev Charjan and Prachi Lambat	696
89	ANALYSIS OF PHYSICO-CHEMICAL PROPERTIES OF POWAI LAKE DURING FESTIVE SEASON IN MUMBAI METROPOLIS Aparna S. Gund and Umesh B. Kakde	703
90	SEQUENCE ANALYSIS OF tfdA ALPHA GENE SCREENED FROM INDIAN FRESH WATER BODIES M. L. Jisnani and S. S. Bawage	720
91	ETHNOMEDICINAL PLANTS USED BY GOND /MADIA TRIBES OF ETAPALLI, BHAMARAGARH, GADCHIROLI, DISTRICT GADCHIROLI. V. S Khonde, M. C. Kale, and Rupesh Badere	725
92	GROUNDWATER VULNERABILITY MAPPING IN MYSORE CITY USING GIS AND DRASTIC MODEL. Lathamani R.	734
93	CHARACTERIZATION, ACTIVATION ENERGY & THERMODYNAMIC PARAMETER OF CRYSTALS SYNTHESIZED FROM SOLVENT EVAPORATION METHOD K. R. Patel, Dhara Patel and V. D. Patel	746
94	ELECTRICAL CONDUCTIVITY & ACTIVATION OF CONDUCTIVITY OF SYNTHESIZED TETRAHEDRAL CRYSTAL V. D. Patel, K. R. Patel and Dhara Patel	754
95	ANALYSIS OF ARSENIC IN WATER OF VARIOUS LOCATIONS OF RAJNANDGAON, CHHATTISGARH (M.P.) INDIA1 Dilip B. Patil, Sushil B. Kapoor and Prachi Rajorkar	759
96	MORPHOLOGICAL AND CULTURAL VARIABILITY OF <i>fusariumsolanii</i> ISOLATES FROM CHILLI (<i>capsicum annum</i> L) M. J. Patil, AshishLambat, Rajesh and SanjeevCharjan	767
97	PHYSICO-CHEMICAL INVESTIGATION AND QUALITY ASSESSMENT OF GROUNDWATER (HAND-PUMP) OF BAGHPAT DISTRICT, UTTAR PRADESH, INDIA Randhir Singh, Ashok Kumar Gupta, D. R. Khanna, Udit Mohan, Suhas, Prem Singh, RakeshBhutiani, and VarunTyagi,	775
98	EFFECT OF POLLUTION ON FRESHWATER FISHERIES R. V. Tijare and P. M. Telkhade	784

SR. NO.	TITLE OF PAPER & AUTHOR	PAGE NO.
99	SYNTHESIS AND CHARACTERIZATION OF Cu-Cr NANOFERRITE USING MICROWAVE AUTO COMBUSTION TECHNIQUE. Borikar D. M., Borikar M. A., and Kakde A. S.	789
100	BIOAUGMENTATION PACKAGE OF EGG SHELL BASED BIOSURFACTANT FORMULATION : AN INNOVATIVE APPROACH FOR MONOCROTOPHOS DEGRADATION IN SOIL Kirti V. Dubey	797
101	ECOLOGY OF LITTLE GREEN BEE EATER (<i>MEROPS ORIENTALIS</i>) FROM NAGPUR AREA (INDIA). Sarala Wasnik, P. M. Telkhade, R. V. Tijare and P. N. Charde	816
102	SYNTHESIS AND MAGNETIC PROPERTIES OF Ca _{0.5} Sr _{0.5} Me _x Fe _{12-2x} O ₁₉ HEXAFERRITES M. N. Giriya, D. S. Bhowmick, K. G. Rewatkar, and R. P. Tandon	824
103	ANTIMICROBIAL ACTIVITY OF SUPPORTED METAL NANOPARTICLES: SILVER NANOPARTICLES S. R. Thakare, A. N. Ingole, and D. B. Patil	836