## **CONTENTS**

## 16, 3, 19

## Wastewater System Division

STANDARD FOR DISCHARGE OF DOMESTIC WASTEWATER WITH HIGH CONCENTRATION	1
STUDY OF CONDUIT MAINTENANCE LEVELS	3
STUDY ON IMPROVEMENT OF URBAN RAINWATER MEASUREMENT SYSTEM	4
STRATEGIC INVESTMENT IN SEWAGE WORKS	6
LOW-COST SEWERAGE SYSTEM FOR DEVELOPING COUNTRIES	8
STUDY ON CHARACTERISTICS OF TRACTION OF SEDIMENT FROM GARBAGE IN SEWER PIPE	10
OPTIMUM MANAGEMENT OF FOOD WASTE THROUGH SEWERAGE SYSTEMS FOR ABATEMENT OF ENVIRONMENTAL IMPACT	12
STUDY ON DEVELOPMENT OF THE EVALUATION TECHNOLOGY OF INFLUENCE ON WATER CYCLE AND SUBSTANCE CIRCULATION CHANGE	14
Wastewater and Sludge Management Division	
RESEARCH ON THE TECHNICAL STANDARD OF THE TREATED WASTEWATER REUSE SYSTEM	<b>1</b> 16
RESEARCH OF LCA TO SEWERAGE SYSTEM	17
EVALUATION METHOD FOR ADVANCED WASTEWATER TREATMENT SYSTEM	19
TECHNICALLY BASED RISK STANDARD FOR WASTEWATER TREATMENT	20
REDUCING $\mathrm{CH_4}$ AND $\mathrm{N_2O}$ GAS EMISSION FROM WASTEWATER TREATMENT FACILITIES BY IMPROVING APPLICABILITY OF CORE CONTROLLING TECHNOLOGIES	21
DECOMPOSITION OF ENDOCRINE DISRUPTERS UTILISING MICROORGANISM GROUPS	23
STUDY ON WASTEWATER RECLAMATION SYSTEM FOR RIVER ECOSYSTEMS	25
FATE OF SANITARY INDICATORS IN TREATED WASTEWATER	27
EFFICIENT REMOVAL OF SLIGHT HAZARDOUS MATERIALS BY OZONATION	29
Recycling Research Team	
ADVANCED SYSTEMS FOR EFFECTIVE USE OF SEWAGE SLUDGE ENERGY	30
FATE OF ENDOCRINE DISRUPTORS IN SEWAGE SLUDGE	32
RECYCLING OF ORGANIC WASTES BY UTILIZING BIO-SOLIDS TREATMENT SYSTEM	34
DEVELOPMENT OF SIMPLIFIED ANALYSIS METHOD FOR DIOXINS IN SEDIMENT SAMPLES	36
STUDY ON TECHNIQUES FOR IDENTIFYING PATHOGENIC MICROORGANISMS AND ANALYZING THEIR BEHAVIOR	38
STUDY OF RISK ASSESSMENT FOR REUSE OF SEWAGE SLUDGE	39
RESIDUAL ORGANIC MATTER REMOVAL FOR MUNICIPAL SEWAGE EFFLUENT REUSE USING ADVANCED BIOLOGICAL TREATMENTS	41
STATUS OF POLLUTION AND FATE OF POLYCYCLIC AROMATIC HYDROCARBONS IN LAKE SEDIMENT	. 43

## Water Quality Team

RESEARCH ON EVALUATION OF TRACE CHEMICALS AT WASTEWATER TREATMENT PLANTS	45
EFFECTS ON WATER ENVIRONMENT AFFECTED BY SEWERAGE SYSTEMS	47
SYSTEMATIC WAY FOR SURVEYING WATER QUALITY OF RIVERS	49
DEVELOPMENT OF TECHNOLOGY FOR DIOXIN CONTAMINATED SOIL COUNTERMEASURES	51
EVALUATION OF RIVER WATER QUALITY FROM THE VIEWPOINT OF AQUATIC ECOSYSTEM	53
TRANSPORT OF CONTAMINANTS AT SEDIMENT-WATER INTERFACE	55
BEHAVIOR OF CHEMICALS FROM URBAN DISCHARGE IN WATER ENVIRONMENT	57
EVALUATION OF ESTROGEN-LIKE SUBSTANCES USING BIOASSAY	59
DETECTION OF ENVIRONMENTAL STRESSES ON AQUATIC ORGANISMS USING GENE ANALYSIS TECHNOLOGY	61
Other Divisions or Teams	
THE INVESTIGATION OF SYSTEMATIZATION FOR PERFORMING MORE EFFICIENT DESIGN AND COST ESTIMATION IN SEWER CONSTRUCTIONS	63
SURVEY OF THE DEVELOPMENT OF RUNOFF AND INUNDATION MODELS FOR URBAN REGIONS	65
STUDY ON RATIONAL METHODS OF EVALUATING AND SELECTING SEWAGE PIPE CONSTRUCTION METHODS	67
DEVELOPMENT OF PRACTICAL TECHNOLOGY RELATED TO NEW MATERIALS FOR SEWERAGE TREATMENT FACILITIES	69
EVALUATION OF EARTH PRESSURE ACTING ON A BURIED PIPE IN RENEWING SEWERAGE FACILITIES	71