

## TABLE OF CONTENTS

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	Page No.
<b>Certificates</b>	ii
<b>Declaration by the Candidate</b>	iii
<b>Copyright Transfer Certificate</b>	iv
<b>Acknowledgement</b>	v
<b>Table of Contents</b>	vii
<b>List of Tables</b>	xiii
<b>List of Figures</b>	xv
<b>List of Abbreviations</b>	xvii
<b>Abstract</b>	xxi
<b>CHAPTER 1 INTRODUCTION</b>	<b>1-10</b>
<b>1.1 Water Security</b>	1
<b>1.2 Emerging Pollutants (EPs) in Water Environment</b>	2
<b>1.3 Pharmaceutical Pollutants (PPs) Effects on Aquatic         Organisms</b>	3
<b>1.4 Concept of River Health</b>	4
<b>1.5 River Health Restoration</b>	4
<b>1.6 Need of the Study</b>	5
<b>1.7 Research Objectives and Questions</b>	6
<b>1.8 Objective of the Study</b>	7
<b>1.9 Organization of the Thesis</b>	7
<b>CHAPTER 2 LITERATURE REVIEW</b>	<b>11-56</b>

<b>2.1 Common Types of Emerging Pollutants (EPs) in Rivers</b>	11
<b>2.1.1 Personal Care Products (PCPs)</b>	12
<b>2.1.2 Endocrine Disrupting Chemicals (EDCs)</b>	12
<b>2.1.3 Pharmaceutical Pollutants (PPs)</b>	13
<b>2.1.4 Persistent Organic Pollutants (POPs)</b>	13
<b>2.1.5 Artificial Sweeteners (ASs)</b>	14
<b>2.1.6 Microplastics (MPs)</b>	15
<b>2.2 Common Types of Pharmaceutical Pollutants (PPs) in Rivers</b>	15
<b>2.2.1 Antibiotics</b>	16
<b>2.2.2 Non-steroidal Anti-inflammatory Drugs (NSAIDs)</b>	17
<b>2.2.3 Anticonvulsants</b>	18
<b>2.2.4 Stimulants</b>	18
<b>2.3 Sources of Pharmaceutical Pollutant (PPs) in Rivers</b>	19
<b>2.3.1 Point Sources</b>	19
<b>2.3.2 Non-point Sources</b>	19
<b>2.4 Some Physicochemical Characteristics of Pharmaceutical Pollutants (PPs)</b>	21
<b>2.4.1 Partition Coefficient (log <math>K_{ow}</math>)</b>	21
<b>2.4.2 Ionization Constant (pKa)</b>	22
<b>2.5 Methods of Risk Assessment</b>	23
<b>2.5.1 Risk Quotient (RQ)</b>	23
<b>2.5.2 Hazard Quotient (HQ)</b>	24
<b>2.5.3 Optimized Risk Quotient (RQ<sub>f</sub>).</b>	24
<b>2.6 Toxic Effects of Pharmaceutical Compounds on Aquatic Organisms</b>	27

<b>2.7 Concentration Level of Pharmaceutical Compounds in River Waters</b>	<b>29</b>
<b>2.7.1 Indian Rivers</b>	<b>29</b>
<b>2.7.2 Rivers outside India around the world</b>	<b>31</b>
<b>2.8 River Health Assessment Methods</b>	<b>32</b>
<b>2.8.1 Ecosystem Health Score</b>	<b>32</b>
<b>2.8.2 River Health Index (RHI)</b>	<b>33</b>
<b>2.9 Review of Treatment Technologies for Water Quality Improvements</b>	<b>38</b>
<b>2.9.1 Conventional Wastewater Treatment Technologies</b>	<b>38</b>
<b>2.9.1.1 Activated Sludge Process (ASP)</b>	<b>38</b>
<b>2.9.1.2 Sequencing Batch Reactor (SBR)</b>	<b>39</b>
<b>2.9.1.3 Anaerobic- Anoxic -Oxic (A2O) Process</b>	<b>40</b>
<b>2.9.1.4 Upflow Anaerobic Sludge Blanket (UASB)</b>	<b>42</b>
<b>2.9.1.5 Moving Bed Biofilm Reactor (MBBR)</b>	<b>43</b>
<b>2.9.2 Tertiary Treatment Methods: Advanced Oxidation Processes (AOPs)</b>	<b>45</b>
<b>2.9.2.1 Ozonation</b>	<b>46</b>
<b>2.9.2.2 Chlorination</b>	<b>47</b>
<b>2.9.2.3 Ultraviolet (UV) Irradiation</b>	<b>47</b>
<b>2.9.2.4 Hydrogen Peroxide (H<sub>2</sub>O<sub>2</sub>)</b>	<b>48</b>
<b>2.9.3 Biological Approach for Tertiary Treatment</b>	<b>50</b>
<b>2.9.3.1 Membrane Bioreactor (MBR)</b>	<b>50</b>
<b>2.9.3.2 Constructed Wetlands (CWs)</b>	<b>51</b>

	<b>2.9.4 Innovative Approach for RHC Improvements: Source Separation of Urine</b>	<b>54</b>
	<b>2.10 Identification of Research Gaps</b>	<b>55</b>
	<b>2.11 Scope of the Present Study</b>	<b>56</b>
<b>CHAPTER 3</b>	<b>Research Methodology</b>	<b>57-64</b>
	<b>3.1 Assessment of Ecological Risk due to PPs in river waters</b>	<b>57</b>
	<b>3.2 Approach for Including the Effects of PPs in the River Health Assessment Framework</b>	<b>57</b>
	<b>3.3 Framework for Calculation of River Health Index (RHI) Including the PPs</b>	<b>57</b>
	<b>3.3.1 Indicator Group Score (IGS) and Indicator Group Condition (IGC)</b>	<b>58</b>
	<b>3.3.2 Weights of Indicator Groups</b>	<b>59</b>
	<b>3.3.3 Normalization Scheme for Water Quality Parameters</b>	<b>60</b>
<b>Chapter 4</b>	<b>Result And Discussions</b>	<b>65-96</b>
	<b>4.1 Identification of Pharmaceutical Pollutants (PPs) of Concern in River Waters</b>	<b>65</b>
	<b>4.1.1 Indian Rivers</b>	<b>65</b>
	<b>4.1.2 Rivers beyond India, across the world</b>	<b>66</b>
	<b>4.2 Ecological Risk Assessment of Pharmaceuticals in River Water</b>	<b>68</b>
	<b>4.3 Threshold High Risk Condition and Threshold High Risk Concentrations (RC<sub>T</sub>)</b>	<b>70</b>

	<b>4.4 RQ<sub>h</sub> Based Classification of Ecologically High Risk Conditions</b>	<b>71</b>
	<b>4.5 Ecological Risk Conditions (ERCs) due to PPs in Rivers</b>	<b>71</b>
	<b>4.6 River Health Assessment including the effects of PPs</b>	<b>73</b>
	<b>4.6.1 Framework for calculating River Health Index (RHI)</b>	<b>73</b>
	<b>4.6.2 Calculation of RHI in river Ganga near Varanasi, including the effects of PPs</b>	<b>73</b>
	<b>4.6.3 Case Studies of other Indian rivers for RHC with PPs above PNEC</b>	<b>77</b>
	<b>4.6.3.1 River Arkavati, Bangalore</b>	<b>77</b>
	<b>4.6.3.2 River Brahmaputra, Guwahati</b>	<b>79</b>
	<b>4.6.3.3 River Ganga, Patna</b>	<b>81</b>
	<b>4.6.3.4 River Yamuna, Agra</b>	<b>83</b>
	<b>4.6.3.5 Isakavagu-Nakkavagu Stream of River Godawari, Hyderabad</b>	<b>84</b>
	<b>4.6.3.6 River Kshipra, Ujjain</b>	<b>86</b>
	<b>4.6.4 Case Studies of representing RHC for other world rivers with PPs above PNEC</b>	<b>88</b>
	<b>4.6.5 Ecological Risk Condition (ERC) and RHC of rivers with high PPs</b>	<b>90</b>
	<b>4.7 Options for River Health Improvements: Treatment Technologies Effective for PPs</b>	<b>92</b>
<b>Chapter 5</b>	<b>Summary and Conclusions</b>	<b>97-106</b>
	<b>5.1 Summary and Conclusion</b>	<b>97</b>
	<b>5.2 Research Contribution to Existing Literature</b>	<b>102</b>

<b>5.3 Implications for Practice</b>	<b>103</b>
<b>5.4 Implications of Research for Policy Formulation</b>	<b>103</b>
<b>5.5 Limitations</b>	<b>104</b>
<b>5.6 Scope for Future Studies</b>	<b>105</b>
<b>REFERENCES</b>	<b>107</b>
<b>LIST OF PUBLICATIONS BASED ON THE PRESENT STUDY</b>	<b>123</b>
<b>ANNEXURE: Flow Chart for Calculation of RHI Framework</b>	<b>125</b>

## LIST OF TABLES

Table No.	Title	Page
2.1	Common pharmaceutical chemicals and their physicochemical properties	22
2.2	Common pharmaceutical compounds and their PNEC values for aquatic organisms.	26
2.3	Pharmaceutical compounds and their toxic effects on aquatic organisms	27
2.4	Concentrations of pharmaceutical compounds reported in some Indian rivers	29
2.5	Concentrations of pharmaceutical compounds in some rivers around the world	31
2.6	Acceptable and critical concentrations of physico- chemical and nutrients parameters (Source: Saxena and Singh 2020)	35
2.7	Detailed overview for estimation of ecosystem health	36
2.8	Treatment technology and removal efficiency of conventional STPs	44
2.9	AOPs based Treatment technologies and removal efficiency for PPs	49
2.10	Treatment technology and removal efficiency for biological methods of tertiary treatment	53
3.1	Color Scheme for presentation for IGC and RHC (Saxena and Singh, 2018)	59
3.2	Normalization scheme on 0-5 scale for DORPs and nutrient-related parameters (5 for within Target Value, 0 for beyond critical threshold value)	60
3.3	Normalization scheme on a 0-5 scale for the effect of PPs based on MEC and $RC_T$	61
3.4	Color depiction of Ecological Risk Condition (ERC) and River Health	62
3.5	Schematic flow model for the application of IGS in developing River Health Index.	65

4.1	Pharmaceutical compounds detected in Indian River waters	65
4.2	Classification of PPs detected in world river waters	67
4.3	High Risk Quotient (RQ <sub>h</sub> ) due to PPs in selected rivers across the world	68
4.4	Ecological risk conditions (ERC) in rivers having PPs above PNEC.	71
4.5	Water quality characteristics of the river Ganga near Varanasi city (India)	71
4.6	Normalized Scores, Indicator Group Scores, and RHC of the river Ganga near Varanasi	75
4.7	Reported water quality parameters of river Akravathi, Bangalore	78
4.8	Normalised Scores, IGS and RHI for river Akravathi, Bangalore	78
4.9	Reported water quality parameters of river Brahmaputra, Guwahati	80
4.10	Normalised Scores, IGS and RHI for river Brahmaputra, Guwahati	80
4.11	Reported water quality parameters of river Ganga, near Patna	81
4.12	Normalised Scores, IGS and RHI for the river Ganga near Patna	82
4.13	Reported water quality parameters of river Yamuna, Agra	83
4.14	Normalised Scores, IGS and RHI for the river Yamuna near Agra	83
4.15	Reported water quality parameters of the Stream	85
4.16	Normalised Scores, IGS and RHI for the Stream	85
4.17	Reported water quality parameters of river Kshipra, Ujjain	87
4.18	Normalised Scores, IGS and RHI for the river Kshipra, Ujjain	87
4.19	Prediction of RHC based on RHI with reported concentrations of PPs and their effects on biotic indicators	89
4.20	Nutrient load reduction from source separated urine of 10000 population	93
4.21	Suggestive Augmentation or New Installation Treatment Technologies at STPs in Indian Cities	95

## LIST OF FIGURES

Fig. No.	Title	Page
2.1	Schematic flow diagram for PPs from originating source to the water environment	21
2.2	Color coded Ecological Health and River Health	37
2.3	Schematic Representation of ASP (Source: Sastry et al., 2013)	39
2.4	Schematic Representation of SBR (Source: Mace et al., 2002)	40
2.5	Schematic Representation of A2O (Source: Gallardo et al., 2018)	41
2.6	Schematic Representation of UASB (Source: Seghezze et. al., 1998)	42
2.7	Schematic Representation of MBBR (Source: Nakhli et. al., 2014)	43
2.8	Schematic Representation of Ozonation (Source: Costa et al., 2023)	46
2.9	Schematic Representation of ultraviolet (UV) light irradiation (Source: Odabaşı et al., 2022)	48
2.10	Schematic Representation of MBR (Source: Rahman et al., 2023)	51
2.11	Schematic Representation of CW (Source: Makopondo et al., 2020)	52
4.1 (a & b)	Colored pictorial map of river health conditions based on IGSs and overall RHI calculated for the river Ganga at Varanasi (India).	76
4.2	Colored hexagonal map of RHC for river Akravathi based on IGC and RHI	79
4.3	Colored hexagonal map of RHC for river Brahmaputra based on IGC and RHI	81
4.4	Colored hexagonal map of RHC for river Ganga near Patna based on IGC and RHI	82
4.5	Colored hexagonal map of RHC for river Yamuna near Agra based on IGC and RHI	84
4.6	Colored hexagonal map of Isakavagu-Nakkavagu Stream of river Godawari, Hyderabad based on IGC and RHI	86

4.7	Colored hexagonal map of RHC for river Kshipra, Ujjain based IGC and RHI	88
4.8 (i-vii)	Colour-coded depiction of ecologically high risk group of biotic indicator and hexagonal RHC based on IGC and RHI.	90
4.9	Possible health conditions improvement plan for River Yamuna at Agra (India)	94

## LIST OF ABBREVIATIONS

Abbreviations	Full Form
ABRB	Antibiotic-Resistant Bacteria
ABI	Index of biotic integrity
ABP	Algae Berger-Parker Index
AusRivAS	Australian River Assessment System
AF	Assessment Factor
ASs	Artificial Sweeteners
ASP	Activated Sludge Process
BCM	Billion Cubic Meters
BEAST	Benthic Assessment of Sediment
BOD	Biochemical Oxygen Demand
COD	Chemical Oxygen Demand
CAESA	Central Asian and Eastern European Surveillance of Antimicrobial Resistance
DDT	Dichloro-diphenyl Trichloroethane
DO	Dissolved Oxygen
DORPs	Dissolved Oxygen-Related Parameters
EC	Electrical Conductivity
ECOSAR	Ecological Structure–Activity Relationships
EDCs	Endocrine Disrupting Chemicals
EPs	Emerging Pollutants
EARS-Net	European Antimicrobial Resistance Surveillance Network

ERC	Ecological Risk Condition
BI	Fish index of biotic integrity
FBP	Fish Berger-Parker index
FN	Number of individuals
FS	Species-level richness
GRBMP	Ganga River Basin Management Plan
HQ	Hazard Quotient
HWW	Hospital wastewater
IGS	Indicator Group Score
IGC	Indicator Group Condition
LOEL	Lowest Observed Effect Level
log K <sub>ow</sub>	Partition Coefficient
MBR	Membrane bioreactor
MBBR	Moving Bed Biofilm Reactor
MBMWP	Biological Monitoring Working Party Index
MBP	Berger-Parker Index
MEC	Measured Environmental Concentration
MEPTS	Family level richness of EPT taxa
MI	Macroinvertebrates
MPs	Microplastics
MS	Total number of taxa
MLD	Million Litres per Day
NCIWRD	National Commission for Integrated Water Resource Development
NSAIDs	Non-steroidal Anti-inflammatory Drugs

NOEL	No Observed Effect Level
NTs	Nutrients
NH <sub>3</sub> -N	Ammonia Nitrogen
OEB	Organo-electrolytic-bacterial
P&C	Physico-chemical
PCPs	Personal Care Products
pH	Potential of Hydrogen
PPs	Pharmaceutical Pollutants
POPs	Persistent Organic Pollutants
PNEC	Predicted No-Effect Concentration
PACs	Pharmaceutical Active Compounds
PEC	Predicted Environmental Concentration
pKa	Ionization constant
RC <sub>T</sub>	Threshold Risk Concentration
RQ	Risk Quotient
RQ <sub>h</sub>	High-Risk Quotient
RQ <sub>f</sub>	Optimized Risk Quotient
RHI	River Health Index
RHC	River Health Condition
RIVPACS	River Invertebrate Prediction and Classification System
STPs	Sewage Treatment Plants
SASS	South African Scoring System
SIS	Site Indicator Scores
SBR	Sequential Batch Reactor

TN	Total Nitrogen
TP	Total Phosphorous
USEPA	United States of Environment Protection Agency
WHO	World Health Organisation