

Assessment of Multiple Climate Extremes over Damodar River Basin, India



Thesis Submitted in Partial Fulfilment
for the Award of Degree

Doctor of Philosophy

Submitted By

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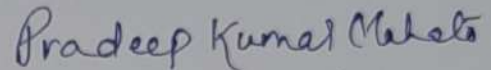
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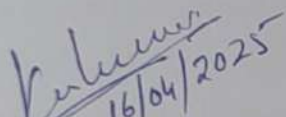

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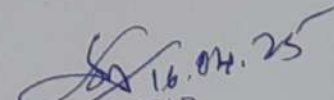
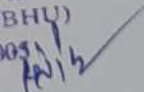
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It is certified that the work in the thesis titled “**Assessment of multiple climate extremes over Damodar River Basin, India.**” has been carried out under our supervision, and this work has not been submitted elsewhere for any degree/diploma.

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Pradeep Kumar Mahato

LIST OF FIGURES

Figure 3.1	Location of the study area along with meteorological stations	36
Figure 4.1	Flowchart diagram of methodology	45
Figure 6.1	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the CDD trend in Asansol is at a significance level of 0.05. (c) The 2-D pattern of the CDD trend in Asansol was at a significance level of 0.05.	78
Figure 6.2	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the CWD trend in Asansol is at a significance level of 0.05. (c) The 2-D pattern of the CWD trend in Asansol was at a significance level of 0.05.	79
Figure 6.3	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the DTR trend in Asansol is at a significance level of 0.05. (c) The 2-D pattern of the DTR trend in Asansol was at a significance level of 0.05.	80
Figure 6.4	(a) Variation of modified U_t over the years to identify change points in Asansol (b) The three-dimensional pattern of the PRCPTOT trend in Asansol is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Asansol was at level of 0.05.	81
Figure 6.5	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the R10mm trend in Asansol is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Asansol was at level of 0.05.	82
Figure 6.6	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the R20mm trend in Asansol is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Asansol was at level of 0.05.	83
Figure 6.7	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the R95p trend in Asansol is at level of 0.05. (c) The 2-D pattern of the R95p trend in Asansol was at level of 0.05.	84
Figure 6.8	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the R99p trend in Asansol is at level of 0.05. (c) The 2-D pattern of the R99p trend in Asansol was at level of 0.05.	85

List of Figures

Figure 6.9	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the RX1day trend in Asansol is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Asansol was at level of 0.05.	86
Figure 6.10	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the RX5day trend in Asansol is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Asansol was at level of 0.05.	87
Figure 6.11	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the SDII trend in Asansol is at level of 0.05. (c) The 2-D pattern of the SDII trend in Asansol was at level of 0.05.	88
Figure 6.12	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the TNN trend in Asansol is at level of 0.05. (c) The 2-D pattern of the TNN trend in Asansol was at level of 0.05.	89
Figure 6.13	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the TNX trend in Asansol is at level of 0.05. (c) The 2-D pattern of the TNX trend in Asansol was at level of 0.05.	90
Figure 6.14	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the TXN trend in Asansol is at level of 0.05. (c) The 2-D pattern of the TXN trend in Asansol was at level of 0.05.	91
Figure 6.15	(a) Variation of modified U_t over the years to identify change points in Asansol. (b) The three-dimensional pattern of the TXX trend in Asansol is at level of 0.05. (c) The 2-D pattern of the TXX trend in Asansol was at level of 0.05.	92
Figure 6.16	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the CDD trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the CDD trend in Bagodar was at level of 0.05.	94
Figure 6.17	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the CWD trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the CWD trend in Bagodar was at level of 0.05.	95
Figure 6.18	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the DTR trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the DTR trend in Bagodar was at level of 0.05.	96
Figure 6.19	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern	97

	of the PRCPTOT trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Bagodar was at level of 0.05.	
Figure 6.20	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the R10mm trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Bagodar was at level of 0.05.	98
Figure 6.21	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the R20mm trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Bagodar was at level of 0.05.	99
Figure 6.22	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the R95p trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the R95p trend in Bagodar was at level of 0.05.	100
Figure 6.23	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the R99p trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the R99p trend in Bagodar was at level of 0.05.	101
Figure 6.24	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the RX1Day trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the RX1Day trend in Bagodar was at level of 0.05.	102
Figure 6.25	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the RX5Day trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the RX5Day trend in Bagodar was at level of 0.05.	103
Figure 6.26	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the SDII trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the SDII trend in Bagodar was at level of 0.05.	104
Figure 6.27	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the TNN trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the TNN trend in Bagodar was at level of 0.05.	105
Figure 6.28	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the TNx trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the TNx trend in Bagodar was at level of 0.05.	106
Figure 6.29	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern	107

List of Figures

	of the TXn trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the TXn trend in Bagodar was at level of 0.05.	
Figure 6.30	(a) Variation of modified U_t over the years to identify change points in Bagodar. (b) The three-dimensional pattern of the TXx trend in Bagodar is at level of 0.05. (c) The 2-D pattern of the TXx trend in Bagodar was at level of 0.05.	108
Figure 6.31	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the CDD trend in Bankura is at level of 0.05. (c) The 2-D pattern of the CDD trend in Bankura was at level of 0.05.	110
Figure 6.32	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the CWD trend in Bankura is at level of 0.05. (c) The 2-D pattern of the CWD trend in Bankura was at level of 0.05.	111
Figure 6.33	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the DTR trend in Bankura is at level of 0.05. (c) The 2-D pattern of the DTR trend in Bankura was at level of 0.05.	112
Figure 6.34	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the PRCPTOT trend in Bankura is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Bankura was at level of 0.05.	113
Figure 6.35	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the R10mm trend in Bankura is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Bankura was at level of 0.05.	114
Figure 6.36	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the R20mm trend in Bankura is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Bankura was at level of 0.05.	115
Figure 6.37	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the R95p trend in Bankura is at level of 0.05. (c) The 2-D pattern of the R95p trend in Bankura was at level of 0.05.	116
Figure 6.38	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the R99p trend in Bankura is at level of 0.05. (c) The 2-D pattern of the R99p trend in Bankura was at level of 0.05.	117
Figure 6.39	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the RX1day trend in Bankura is at level of 0.05. (c) The	118

	2-D pattern of the RX1day trend in Bankura was at level of 0.05.	
Figure 6.40	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the RX5day trend in Bankura is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Bankura was at level of 0.05.	119
Figure 6.41	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the SDII trend in Bankura is at level of 0.05. (c) The 2-D pattern of the SDII trend in Bankura was at level of 0.05.	120
Figure 6.42	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the TNN trend in Bankura is at level of 0.05. (c) The 2-D pattern of the TNN trend in Bankura was at level of 0.05.	121
Figure 6.43	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the TNX trend in Bankura is at level of 0.05. (c) The 2-D pattern of the TNX trend in Bankura was at level of 0.05.	122
Figure 6.44	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the TXN trend in Bankura is at level of 0.05. (c) The 2-D pattern of the TXN trend in Bankura was at level of 0.05.	123
Figure 6.45	(a) Variation of modified U_t over the years to identify change points in Bankura. (b) The three-dimensional pattern of the TXX trend in Bankura is at level of 0.05. (c) The 2-D pattern of the TXX trend in Bankura was at level of 0.05.	124
Figure 6.46	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the CDD trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the CDD trend in Bankura was at level of 0.05.	126
Figure 6.47	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the CWD trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the CWD trend in Bankura was at level of 0.05.	127
Figure 6.48	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the DTR trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the DTR trend in Bankura was at level of 0.05.	128
Figure 6.49	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the PRCPTOT trend in Bardhaman is at level of	129

List of Figures

	0.05. (c) The 2-D pattern of the PRCPTOT trend in Bardhaman was at level of 0.05.	
Figure 6.50	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the R10mm trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Bardhaman was at level of 0.05.	130
Figure 6.51	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the R20mm trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Bardhaman was at level of 0.05.	131
Figure 6.52	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the R95p trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the R95p trend in Bardhaman was at level of 0.05.	132
Figure 6.53	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the R99p trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the R99p trend in Bardhaman was at level of 0.05.	133
Figure 6.54	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the RX1day trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Bardhaman was at level of 0.05.	134
Figure 6.55	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the RX5day trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Bardhaman was at level of 0.05.	135
Figure 6.56	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the SDII trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the SDII trend in Bardhaman was at level of 0.05.	136
Figure 6.57	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the TNN trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the TNN trend in Bardhaman was at level of 0.05.	137
Figure 6.58	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the TNx trend in Bardhaman is at level of 0.05. (c)	138

	The 2-D pattern of the TNx trend in Bardhaman was at level of 0.05.	
Figure 6.59	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the TXN trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the TXN trend in Bardhaman was at level of 0.05.	139
Figure 6.60	(a) Variation of modified U_t over the years to identify change points in Bardhaman. (b) The three-dimensional pattern of the TXX trend in Bardhaman is at level of 0.05. (c) The 2-D pattern of the TXX trend in Bardhaman was at level of 0.05.	140
Figure 6.61	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the CDD trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the CDD trend in Bokaro was at level of 0.05.	142
Figure 6.62	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the CWD trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the CWD trend in Bokaro was at level of 0.05.	143
Figure 6.63	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the DTR trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the DTR trend in Bokaro was at level of 0.05.	144
Figure 6.64	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the PRCPTOT trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Bokaro was at level of 0.05.	145
Figure 6.65	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the R10mm trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Bokaro was at level of 0.05.	146
Figure 6.66	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the R20mm trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Bokaro was at level of 0.05.	147
Figure 6.67	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the R95p trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the R95p trend in Bokaro was at level of 0.05.	148
Figure 6.68	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern	149

List of Figures

	of the R99p trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the R99p trend in Bokaro was at level of 0.05.	
Figure 6.69	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the RX1day trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Bokaro was at level of 0.05.	150
Figure 6.70	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the RX5day trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Bokaro was at level of 0.05.	151
Figure 6.71	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the SDII trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the SDII trend in Bokaro was at level of 0.05.	152
Figure 6.72	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the TNn trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the TNn trend in Bokaro was at level of 0.05.	153
Figure 6.73	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the TNx trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the TNx trend in Bokaro was at level of 0.05.	154
Figure 6.74	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the TXn trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the TXn trend in Bokaro was at level of 0.05.	155
Figure 6.75	(a) Variation of modified U_t over the years to identify change points in Bokaro. (b) The three-dimensional pattern of the TXx trend in Bokaro is at level of 0.05. (c) The 2-D pattern of the TXx trend in Bokaro was at level of 0.05.	156
Figure 6.76	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the CDD trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the CDD trend in Dhanbad was at level of 0.05.	158
Figure 6.77	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the CWD trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the CWD trend in Dhanbad was at level of 0.05.	159
Figure 6.78	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the DTR trend in Dhanbad is at level of 0.05. (c)	160

	The 2-D pattern of the DTR trend in Dhanbad was at level of 0.05.	
Figure 6.79	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the PRCPTOT trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Dhanbad was at level of 0.05.	161
Figure 6.80	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the R10mm trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Dhanbad was at level of 0.05.	162
Figure 6.81	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the R20mm trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Dhanbad was at level of 0.05.	163
Figure 6.82	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the R95p trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the R95p trend in Dhanbad was at level of 0.05.	164
Figure 6.83	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the R99p trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the R99p trend in Dhanbad was at level of 0.05.	165
Figure 6.84	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the RX1day trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Dhanbad was at level of 0.05.	166
Figure 6.85	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the RX5day trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Dhanbad was at level of 0.05.	167
Figure 6.86	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the SDII trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the SDII trend in Dhanbad was at level of 0.05.	168
Figure 6.87	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the TNn trend in Dhanbad is at level of 0.05. (c)	169

List of Figures

	The 2-D pattern of the TNn trend in Dhanbad was at level of 0.05.	
Figure 6.88	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the TNx trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the TNx trend in Dhanbad was at level of 0.05.	170
Figure 6.89	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the TXn trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the TXn trend in Dhanbad was at level of 0.05.	171
Figure 6.90	(a) Variation of modified U_t over the years to identify change points in Dhanbad. (b) The three-dimensional pattern of the TXx trend in Dhanbad is at level of 0.05. (c) The 2-D pattern of the TXx trend in Dhanbad was at level of 0.05.	172
Figure 6.91	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the CDD trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the CDD trend in Durgapur was at level of 0.05.	174
Figure 6.92	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the CWD trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the CWD trend in Durgapur was at level of 0.05.	175
Figure 6.93	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the DTR trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the DTR trend in Durgapur was at level of 0.05.	176
Figure 6.94	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the PRCPTOT trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Durgapur was at level of 0.05.	177
Figure 6.95	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the R10mm trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Durgapur was at level of 0.05.	178
Figure 6.96	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the R20mm trend in Durgapur is at level of 0.05.	179

	(c) The 2-D pattern of the R20mm trend in Durgapur was at level of 0.05.	
Figure 6.97	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the R95p trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the R95p trend in Durgapur was at level of 0.05.	180
Figure 6.98	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the R99p trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the R99p trend in Durgapur was at level of 0.05.	181
Figure 6.99	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the RX1day trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Durgapur was at level of 0.05.	182
Figure 6.100	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the RX5day trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Durgapur was at level of 0.05.	183
Figure 6.101	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the SDII trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the SDII trend in Durgapur was at level of 0.05.	184
Figure 6.102	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the TNn trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the TNn trend in Durgapur was at level of 0.05.	185
Figure 6.103	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the TNx trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the TNx trend in Durgapur was at level of 0.05.	186
Figure 6.104	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the TXn trend in Durgapur is at level of 0.05. (c) The 2-D pattern of the TXn trend in Durgapur was at level of 0.05.	187
Figure 6.105	(a) Variation of modified U_t over the years to identify change points in Durgapur. (b) The three-dimensional pattern of the TXx trend in Durgapur is at level of 0.05. (c)	188

List of Figures

- The 2-D pattern of the TXx trend in Durgapur was at level of 0.05.
- Figure 6.106 (a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the CDD trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the CDD trend in East-Medinipur was at level of 0.05 190
- Figure 6.107 (a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the CWD trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the CWD trend in East-Medinipur was at level of 0.05 191
- Figure 6.108 (a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the DTR trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the DTR trend in East-Medinipur was at level of 0.05 192
- Figure 6.109 (a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the PRCPTOT trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in East-Medinipur was at level 0.05 193
- Figure 6.110 (a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the R10mm trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the R10mm trend in East-Medinipur was at level 0.05 194
- Figure 6.111 (a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the R20mm trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the R20mm trend in East-Medinipur was at level of 0.05 195
- Figure 6.112 (a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the R95p trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the R95p trend in East-Medinipur was at level of 0.05 196
- Figure 6.113 (a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the R99p trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the R99p trend in East-Medinipur was at level of 0.05 197
- Figure 6.114 (a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the RX1day trend in East-Medinipur is at level of 198

	0.05. (c) The 2-D pattern of the RX1day trend in East-Medinipur was at level of 0.05	
Figure 6.115	(a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the RX5day trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the RX5day trend in East-Medinipur was at level of 0.05	199
Figure 6.116	(a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the SDII trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the SDII trend in East-Medinipur was at level of 0.05	200
Figure 6.117	(a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the TNN trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the TNN trend in East-Medinipur was at level of 0.05	201
Figure 6.118	(a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the TNx trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the TNx trend in East-Medinipur was at level of 0.05	202
Figure 6.119	(a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the TXn trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the TXn trend in East-Medinipur was at level of 0.05	203
Figure 6.120	(a) Variation of modified U_t over the years to identify change points in East-Medinipur. (b) The three-dimensional pattern of the TXx trend in East-Medinipur is at level of 0.05. (c) The 2-D pattern of the TXx trend in East-Medinipur was at level of 0.05	204
Figure 6.121	(a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the CDD trend in Giridih is at level of 0.05. (c) The 2-D pattern of the CDD trend in Giridih was at level of 0.05.	206
Figure 6.122	(a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the CWD trend in Giridih is at level of 0.05. (c) The 2-D pattern of the CWD trend in Giridih was at level of 0.05.	207
Figure 6.123	(a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the DTR trend in Giridih is at level of 0.05. (c) The 2-D pattern of the DTR trend in Giridih was at level of 0.05.	208

List of Figures

- Figure 6.124 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the PRCPTOT trend in Giridih is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Giridih was at level of 0.05. 209
- Figure 6.125 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the R10mm trend in Giridih is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Giridih was at level of 0.05. 210
- Figure 6.126 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the R20mm trend in Giridih is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Giridih was at level of 0.05. 211
- Figure 6.127 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the R95p trend in Giridih is at level of 0.05. (c) The 2-D pattern of the R95p trend in Giridih was at level of 0.05. 212
- Figure 6.128 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the R99p trend in Giridih is at level of 0.05. (c) The 2-D pattern of the R99p trend in Giridih was at level of 0.05. 213
- Figure 6.129 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the RX1day trend in Giridih is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Giridih was at level of 0.05. 214
- Figure 6.130 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the RX5day trend in Giridih is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Giridih was at level of 0.05. 215
- Figure 6.131 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the SDII trend in Giridih is at level of 0.05. (c) The 2-D pattern of the SDII trend in Giridih was at level of 0.05. 216
- Figure 6.132 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the TNN trend in Giridih is at level of 0.05. (c) The 2-D pattern of the TNN trend in Giridih was at level of 0.05. 217
- Figure 6.133 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the TNX trend in Giridih is at level of 0.05. (c) The 2-D pattern of the TNX trend in Giridih was at level of 0.05. 218
- Figure 6.134 (a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern 219

	of the TXN trend in Giridih is at level of 0.05. (c) The 2-D pattern of the TXN trend in Giridih was at level of 0.05.	
Figure 6.135	(a) Variation of modified U_t over the years to identify change points in Giridih. (b) The three-dimensional pattern of the TXX trend in Giridih is at level of 0.05. (c) The 2-D pattern of the TXX trend in Giridih was at level of 0.05.	220
Figure 6.136	(a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the CDD trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the CDD trend in Hazaribag was at level of 0.05.	222
Figure 6.137	(a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the CWD trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the CWD trend in Hazaribag was at level of 0.05.	223
Figure 6.138	(a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the DTR trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the DTR trend in Hazaribag was at level of 0.05.	224
Figure 6.139	(a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the PRCPTOT trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Hazaribag was at level of 0.05.	225
Figure 6.140	(a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the R10mm trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Hazaribag was at level of 0.05.	226
Figure 6.141	(a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the R20mm trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Hazaribag was at level of 0.05.	227
Figure 6.142	(a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the R95p trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the R95p trend in Hazaribag was at level of 0.05.	228
Figure 6.143	(a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the R99p trend in Hazaribag is at level of 0.05. (c)	229

List of Figures

- The 2-D pattern of the R99p trend in Hazaribag was at level of 0.05.
- Figure 6.144 (a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the RX1day trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Hazaribag was at level of 0.05. 230
- Figure 6.145 (a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the RX5day trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Hazaribag was at level of 0.05. 231
- Figure 6.146 (a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the SDII trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the SDII trend in Hazaribag was at level of 0.05. 232
- Figure 6.147 (a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the TNN trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the TNN trend in Hazaribag was at level of 0.05. 233
- Figure 6.148 (a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the TNX trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the TNX trend in Hazaribag was at level of 0.05. 234
- Figure 6.149 (a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the TXN trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the TXN trend in Hazaribag was at level of 0.05. 235
- Figure 6.150 (a) Variation of modified U_t over the years to identify change points in Hazaribag. (b) The three-dimensional pattern of the TXX trend in Hazaribag is at level of 0.05. (c) The 2-D pattern of the TXX trend in Hazaribag was at level of 0.05. 236
- Figure 6.151 (a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the CDD trend in Koderma is at level of 0.05. (c) The 2-D pattern of the CDD trend in Koderma was at level of 0.05. 238
- Figure 6.152 (a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the CWD trend in Koderma is at level of 0.05. (c) 239

	The 2-D pattern of the CWD trend in Koderma was at level of 0.05.	
Figure 6.153	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the DTR trend in Koderma is at level of 0.05. (c) The 2-D pattern of the DTR trend in Koderma was at level of 0.05.	240
Figure 6.154	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the PRCPTOT trend in Koderma is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Koderma was at level of 0.05.	241
Figure 6.155	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the R10mm trend in Koderma is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Koderma was at level of 0.05.	242
Figure 6.156	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the R20mm trend in Koderma is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Koderma was at level of 0.05.	243
Figure 6.157	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the R95p trend in Koderma is at level of 0.05. (c) The 2-D pattern of the R95p trend in Koderma was at level of 0.05.	244
Figure 6.158	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the R99p trend in Koderma is at level of 0.05. (c) The 2-D pattern of the R99p trend in Koderma was at level of 0.05.	245
Figure 6.159	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the RX1day trend in Koderma is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Koderma was at level of 0.05.	246
Figure 6.160	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the RX5day trend in Koderma is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Koderma was at level of 0.05.	247
Figure 6.161	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the SDII trend in Koderma is at level of 0.05. (c)	248

List of Figures

	The 2-D pattern of the SDII trend in Koderma was at level of 0.05.	
Figure 6.162	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the TNn trend in Koderma is at level of 0.05. (c) The 2-D pattern of the TNn trend in Koderma was at level of 0.05.	249
Figure 6.163	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the TNx trend in Koderma is at level of 0.05. (c) The 2-D pattern of the TNx trend in Koderma was at level of 0.05.	250
Figure 6.164	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the TXn trend in Koderma is at level of 0.05. (c) The 2-D pattern of the TXn trend in Koderma was at level of 0.05.	251
Figure 6.165	(a) Variation of modified U_t over the years to identify change points in Koderma. (b) The three-dimensional pattern of the TXX trend in Koderma is at level of 0.05. (c) The 2-D pattern of the TXX trend in Koderma was at level of 0.05.	252
Figure 6.166	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the CDD trend in Purulia is at level of 0.05. (c) The 2-D pattern of the CDD trend in Purulia was at level of 0.05.	254
Figure 6.167	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the CWD trend in Purulia is at level of 0.05. (c) The 2-D pattern of the CWD trend in Purulia was at level of 0.05.	255
Figure 6.168	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the DTR trend in Purulia is at level of 0.05. (c) The 2-D pattern of the DTR trend in Purulia was at level of 0.05.	256
Figure 6.169	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the PRCPTOT trend in Purulia is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Purulia was at level of 0.05.	257
Figure 6.170	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the R10mm trend in Purulia is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Purulia was at level of 0.05.	258
Figure 6.171	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern	259

	of the R20mm trend in Purulia is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Purulia was at level of 0.05.	
Figure 6.172	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the R95p trend in Purulia is at level of 0.05. (c) The 2-D pattern of the R95p trend in Purulia was at level of 0.05.	260
Figure 6.173	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the R99p trend in Purulia is at level of 0.05. (c) The 2-D pattern of the R99p trend in Purulia was at level of 0.05.	261
Figure 6.174	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the RX1day trend in Purulia is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Purulia was at level of 0.05.	262
Figure 6.175	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the RX5day trend in Purulia is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Purulia was at level of 0.05.	263
Figure 6.176	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the SDII trend in Purulia is at level of 0.05. (c) The 2-D pattern of the SDII trend in Purulia was at level of 0.05.	264
Figure 6.177	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the TNN trend in Purulia is at level of 0.05. (c) The 2-D pattern of the TNN trend in Purulia was at level of 0.05.	265
Figure 6.178	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the TNX trend in Purulia is at level of 0.05. (c) The 2-D pattern of the TNX trend in Purulia was at level of 0.05.	266
Figure 6.179	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the TXN trend in Purulia is at level of 0.05. (c) The 2-D pattern of the TXN trend in Purulia was at level of 0.05.	267
Figure 6.180	(a) Variation of modified U_t over the years to identify change points in Purulia. (b) The three-dimensional pattern of the TXX trend in Purulia is at level of 0.05. (c) The 2-D pattern of the TXX trend in Purulia was at level of 0.05.	268
Figure 6.181	(a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the CDD trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the CDD trend in Raghunathpur was at level of 0.05.	270

List of Figures

- Figure 6.182 (a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the CWD trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the CWD trend in Raghunathpur was at level of 0.05. 271
- Figure 6.183 (a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the DTR trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the DTR trend in Raghunathpur was at level of 0.05. 272
- Figure 6.184 (a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the PRCPTOT trend (c) The 2-D pattern of the PRCPTOT trend in Raghunathpur was at level of 0.05. 273
- Figure 6.185 (a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the R10mm trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Raghunathpur was at level of 0.05 274
- Figure 6.186 (a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the R20mm trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Raghunathpur was at level of 0.05 275
- Figure 6.187 (a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the R95p trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the R95p trend in Raghunathpur was at level of 0.05. 276
- Figure 6.188 (a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the R99p trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the R99p trend in Raghunathpur was at level of 0.05. 277
- Figure 6.189 (a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the RX1day trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Raghunathpur was at level of 0.05. 278
- Figure 6.190 (a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the RX5day trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Raghunathpur was at level of 0.05 279

Figure 6.191	(a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the SDII trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the SDII trend in Raghunathpur was at level of 0.05.	280
Figure 6.192	(a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the TNN trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the TNN trend in Raghunathpur was at level of 0.05.	281
Figure 6.193	(a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the TNX trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the TNX trend in Raghunathpur was at level of 0.05.	282
Figure 6.194	(a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the TXN trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the TXN trend in Raghunathpur was at level of 0.05.	283
Figure 6.195	(a) Variation of modified U_t over the years to identify change points in Raghunathpur. (b) The three-dimensional pattern of the TXX trend in Raghunathpur is at level of 0.05. (c) The 2-D pattern of the TXX trend in Raghunathpur was at level of 0.05.	284
Figure 6.196	(a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the CDD trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the CDD trend in Ramgarh was at level of 0.05.	286
Figure 6.197	(a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the CWD trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the CWD trend in Ramgarh was at level of 0.05.	287
Figure 6.198	(a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the DTR trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the DTR trend in Ramgarh was at level of 0.05.	288
Figure 6.199	(a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the PRCPTOT trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in Ramgarh was at level of 0.05.	289

List of Figures

- Figure 6.200 (a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the R10mm trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the R10mm trend in Ramgarh was at level of 0.05. 290
- Figure 6.201 (a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the R20mm trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the R20mm trend in Ramgarh was at level of 0.05. 291
- Figure 6.202 (a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the R95p trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the R95p trend in Ramgarh was at level of 0.05. 292
- Figure 6.203 (a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the R99p trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the R99p trend in Ramgarh was at level of 0.05. 293
- Figure 6.204 (a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the RX1day trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the RX1day trend in Ramgarh was at level of 0.05. 294
- Figure 6.205 (a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the RX5day trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the RX5day trend in Ramgarh was at level of 0.05. 295
- Figure 6.206 (a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the SDII trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the SDII trend in Ramgarh was at level of 0.05. 296
- Figure 6.207 (a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the TNN trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the TNN trend in Ramgarh was at level of 0.05. 297
- Figure 6.208 (a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the TNX trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the TNX trend in Ramgarh was at level of 0.05. 298

Figure 6.209	(a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the TX_n trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the TX_n trend in Ramgarh was at level of 0.05.	299
Figure 6.210	(a) Variation of modified U_t over the years to identify change points in Ramgarh. (b) The three-dimensional pattern of the TX_x trend in Ramgarh is at level of 0.05. (c) The 2-D pattern of the TX_x trend in Ramgarh was at level of 0.05.	300
Figure 6.211	(a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the CDD trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the CDD trend in West-Medinipur was at level of 0.05.	302
Figure 6.212	(a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the CWD trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the CWD trend in West-Medinipur was at level of 0.05.	303
Figure 6.213	(a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the DTR trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the DTR trend in West-Medinipur was at level of 0.05.	304
Figure 6.214	(a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the PRCPTOT trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the PRCPTOT trend in West-Medinipur was at level 0.05	305
Figure 6.215	(a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the R10mm trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the R10mm trend in West-Medinipur was at level of 0.05.	306
Figure 6.216	(a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the R20mm trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the R20mm trend in West-Medinipur was at level of 0.05.	307
Figure 6.217	(a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the R95p trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the R95p trend in West-Medinipur was at level of 0.05	308

List of Figures

- Figure 6.218 (a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the R99p trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the R99p trend in West-Medinipur was at level of 0.05. 309
- Figure 6.219 (a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the RX1day trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the RX1day trend in West-Medinipur was at level of 0.05. 310
- Figure 6.220 (a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the RX5day trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the RX5day trend in West-Medinipur was at level of 0.05 311
- Figure 6.221 (a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the SDII trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the SDII trend in West-Medinipur was at level of 0.05 312
- Figure 6.222 (a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the TNn trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the TNn trend in West-Medinipur was at level of 0.05 313
- Figure 6.223 (a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the TNx trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the TNx trend in West-Medinipur was at level of 0.05 314
- Figure 6.224 (a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the TXN trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the TXN trend in West-Medinipur was at level of 0.05 315
- Figure 6.225 (a) Variation of modified U_t over the years to identify change points in West-Medinipur. (b) The three-dimensional pattern of the TXX trend in West-Medinipur is at level of 0.05. (c) The 2-D pattern of the TXX trend in West-Medinipur was at level of 0.05. 316

LIST OF TABLES

Table 4.1 List of extreme indices of temperature and precipitation as recommended by the ETCCDI, along with their definitions	52
Table 5.1 List of extreme climate indices used in this study	58
Table 5.2 Extreme climatic indices based on rainfall and temperature	59
Table 5.3 Extreme climatic indices based on rainfall and temperature.	60
Table 5.4 Extreme climatic indices based on rainfall and temperature.	61
Table 5.5 Extreme climatic indices based on rainfall and temperature.	62
Table 5.6 Extreme climatic indices based on rainfall and temperature.	63
Table 5.7 Extreme climatic indices based on rainfall and temperature.	64
Table 5.8 Extreme climatic indices based on rainfall and temperature.	65
Table 5.9 Extreme climatic indices based on rainfall and temperature.	66
Table 5.10 Extreme climatic indices based on rainfall and temperature	67
Table 5.11 Extreme climatic indices based on rainfall and temperature.	68
Table 5.12 Extreme climatic indices based on rainfall and temperature.	69
Table 5.13 Extreme climatic indices based on rainfall and temperature	70
Table 5.14 Extreme climatic indices based on rainfall and temperature	72
Table 5.15 Extreme climatic indices based on rainfall and temperature	73
Table 5.16 Extreme climatic indices based on rainfall and temperature.	74

LIST OF ABBREVIATIONS/NOTATIONS

RMSE	Root means square error
RF	Random Forest
MAE	Mean absolute error
SWAT	Soil and Water Assessment Tool
NSE	Nash-Sutcliffe Efficiency
d	Degree of agreement
ADB	Asian Development Bank
LSTM	Long Short-Term Memory
GA	Genetic Algorithms
NWP	Numerical weather prediction
QPF	quantitative precipitation predictions