

Datasets		ESC10						GSCD						
Unlearning	Methods	Aug	UNA	RMA	TEA	MIA	AGP	RTE	UNA	RMA	TEA	MIA	AGP	RTE
Amnesiac	NA	0	100	91.67	20.83	0.23	24.13	0	99.49	89.61	4.61	10.54	951.94	
	TM	0	99.55	91.67	45.83	8.56	38.15	0	98.67	89.74	21.39	3.94	1181.63	
	FM	0	100	88.89	62.5	18.75	38.24	0	98.56	90.95	9.93	10.14	913.75	
	AN	0	100	89.58	45.83	13.66	33.95	0	99.38	87.99	15.09	9.52	1056.68	
	AN+FM	0	100	91.67	100	28.24	63.67	0	95.31	90.1	6.79	12.37	928.88	
	TS	0	100	90.97	37.5	8.1	325.58	0	97.52	89.33	10.42	9.2	1357.28	
Bad Teacher	NA	0	99.55	86.11	0	9.03	21.62	0	95.59	88.91	0	11.84	1011.8	
	TM	0	99.11	90.28	0	7.18	21.78	0	95.29	88.15	0	11.6	1024.81	
	FM	3.12	100	91.67	0	6.37	21.67	0.11	95.5	91.77	0	13.49	998.07	
	AN	0	99.55	90.28	0	3.7	22.07	0	96.99	89.05	0	14.28	981.74	
	AN+FM	3.12	98.66	88.19	0	7.29	22.2	0	93.25	90.3	0	14.56	1012.72	
	TS	0	99.55	91.67	0	6.48	152.76	0.11	93.47	89.93	0	12.51	2350.33	
Boundary	NA	46.88	29.02	20.83	0	46.41	7.19	66.16	69.2	64.05	83.12	46.2	219.62	
	TM	56.25	11.16	9.72	100	72.22	7.16	45.42	69.67	66.66	17.16	28.19	221.98	
	FM	59.38	43.75	45.14	0	40.62	7.21	36.58	67.07	67.22	20.68	26.66	223.49	
	AN	90.62	83.93	67.36	100	69.33	7.22	55.28	48.19	46.93	11.4	42.87	222.36	
	AN+FM	84.38	42.86	38.89	0	50.81	7.3	30.55	58.3	61.06	13.68	29.93	221.31	
	TS	59.38	30.36	24.31	12.5	44.56	26.92	12.93	64.86	62.03	53.64	19.75	368.36	
Fisher	NA	31.25	38.84	42.36	37.5	32.64	195.06	0.05	94.42	86.96	1.68	11.68	14280.95	
	TM	15.62	40.62	38.89	12.5	25.35	197.21	0	92.54	86.76	3.2	11	14785.72	
	FM	12.5	62.05	53.47	4.17	20.83	193.64	0.11	93.24	88.15	2.77	13.5	15105.13	
	AN	3.12	54.91	42.36	4.17	19.33	196.87	0.16	93.61	86.22	3.85	13.91	15472.7	
	AN+FM	3.12	89.73	72.92	0	12.38	195.5	0	89.69	86.16	5.37	14.15	15351.06	
	TS	0	29.46	21.53	4.17	28.47	221.28	2.48	87.88	82.6	3.42	14.6	15104.33	
Gradient Ascent	NA	100	100	93.06	45.83	41.9	12.32	0	11.29	10.73	0	37.63	373.46	
	TM	100	100	90.28	54.17	44.68	12.39	0	11.14	10.82	0	37.38	392.37	
	FM	3.12	13.84	13.89	58.33	43.4	12.43	0	11.1	10.86	0	40.15	382.63	
	AN	40.62	100	84.03	0	19.33	12.73	0	11.29	10.73	0	40.3	387.6	
	AN+FM	0	39.29	39.58	75	36.34	13.06	0	11.14	10.82	0	41.06	396.18	
	TS	100	100	91.67	54.17	46.76	308.56	0	11.14	10.82	0	38.84	2320.86	
Retrain	NA	0	100	92.36	20.83	0	79.72	0	98.36	88.51	35.12	0	1246.76	
	TM	0	100	90.97	20.83	0	61.16	0	99.3	90.82	32.14	0	1515.63	
	FM	0	100	95.14	12.5	0	55.28	0	99.23	91.35	39.96	0	2140.92	
	AN	0	100	93.06	8.33	0	53.46	0	98.64	88.92	42.73	0	1185.3	
	AN+FM	0	100	90.28	16.67	0	59.04	0	97.16	91.27	42.73	0	1952.47	
	TS	0	100	94.44	16.67	0	1029.24	0	98.22	91.03	36.32	0	5078.88	
SCRUB	NA	0	11.61	11.11	0	34.03	21.34	0	13.87	13.45	66.18	35.37	1107.27	
	TM	0	11.61	11.11	100	53.01	21.37	0	16.83	16.97	50.87	30.86	1124.65	
	FM	0	38.84	43.75	25	21.3	21.49	0	16.12	15.37	46.85	27.63	1145.55	
	AN	0	28.57	29.86	58.33	37.73	21.47	0	15.42	14.79	72.96	34.79	1167.93	
	AN+FM	0	34.82	36.81	37.5	24.77	21.3	0	12.26	14.87	71.39	35.02	1196.8	
	TS	0	45.09	37.5	20.83	20.37	185.57	0.32	15.38	16.08	35.78	25.27	2386.63	
SSD	NA	0	10.71	11.11	33.33	31.25	4.87	99.62	98.34	88.09	92.24	52.38	116.53	
	TM	0	9.38	9.03	33.33	31.48	4.86	18.48	92.75	86.42	2.23	17.6	118.12	
	FM	0	13.84	9.03	62.5	45.37	4.88	98.92	96.83	89.53	89.58	50.12	119.5	
	AN	0	10.71	11.11	25	32.87	4.82	91.38	98.28	89.16	0	44.78	118.14	
	AN+FM	0	12.95	11.11	62.5	41.67	5.01	66.38	94.86	90.6	0.11	36.55	118.1	
	TS	0	10.27	12.5	41.67	35.65	22.81	0.75	92.76	86.85	2.93	12.77	250.74	
UNSIR	NA	0	68.75	50	62.5	28.01	46.83	0.16	73.6	69.45	12.81	13.84	283.99	
	TM	0	55.8	42.36	37.5	21.76	47.2	0.05	66.61	66.52	20.63	11.95	291.53	
	FM	0	39.73	41.67	33.33	24.77	47.22	0	58.41	61.04	79.15	23.17	290.12	
	AN	0	45.54	34.03	20.83	23.84	47.43	0.22	71.55	68.2	12.11	17.19	293.43	
	AN+FM	0	41.07	34.03	41.67	27.08	47.65	0	13.25	15.95	54.67	29.09	304.68	
	TS	0	64.73	50.69	20.83	15.97	201.53	0	34.62	34.61	18.57	24.72	1423.04	

Evaluation of Machine Unlearning Methods on the ESC10 and GSCD Datasets with the AudioMamba Model