

Table 1) area, percentage, and accuracy of the classes in 2000 and 2017 in southern parts of the Urmia Lake

Land cover	Area in 2000	Area in 2017	Land cover percentage in 2000	Land cover percentage in 2017	User's accuracy in 2000	User's accuracy in 2017	Producer's accuracy in 2000	Producer's accuracy in 2017
Water	4758.19	372.05	4.86	2	87.16	95.39	96.33	99.39
Bare lands and residential areas	2909.15	5294.63	18.99	34.56	64.47	99.94	88.16	98.30
Rainfed lands	7306.49	5543.47	47.69	36.18	77.74	44.51	95.7	98.05
Irrigated agricultural lands	1121.99	1905.76	7.32	12.44	61.18	67	92.28	96.74
Garden	48.75	134.62	0.31	0.87	99.89	99.85	97.48	74.75
Rangeland	3186.36	2067.60	20.80	13.49	95.03	88.26	57.64	100
Kappa coefficient in 2000				0.85				
Overall accuracy in 2000				96.42				
Kappa coefficient in 2017				0.83				
Overall accuracy in 2000				98.04				

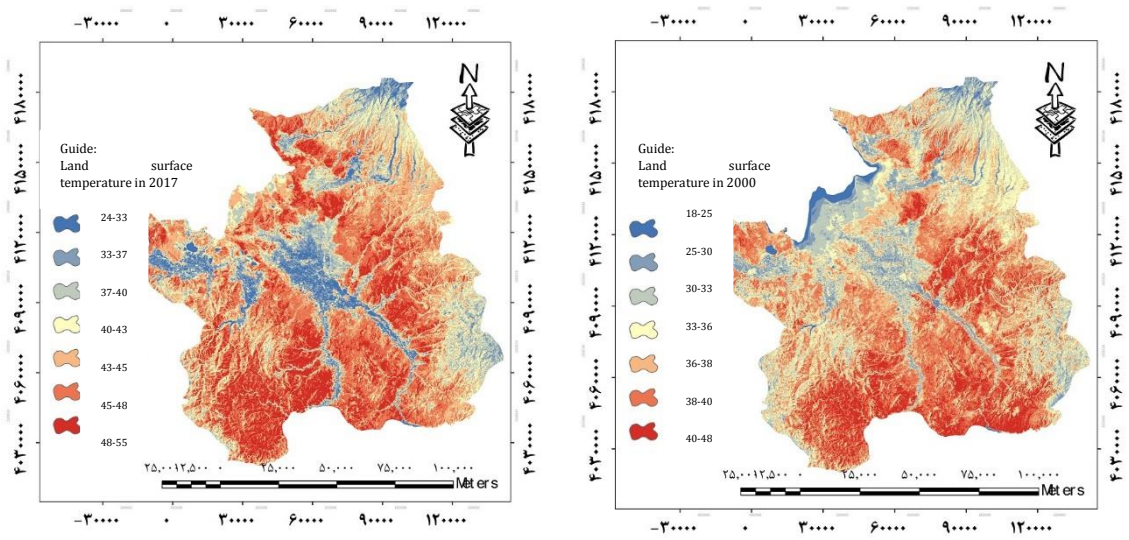


Figure 3) land surface temperature map in the studied area

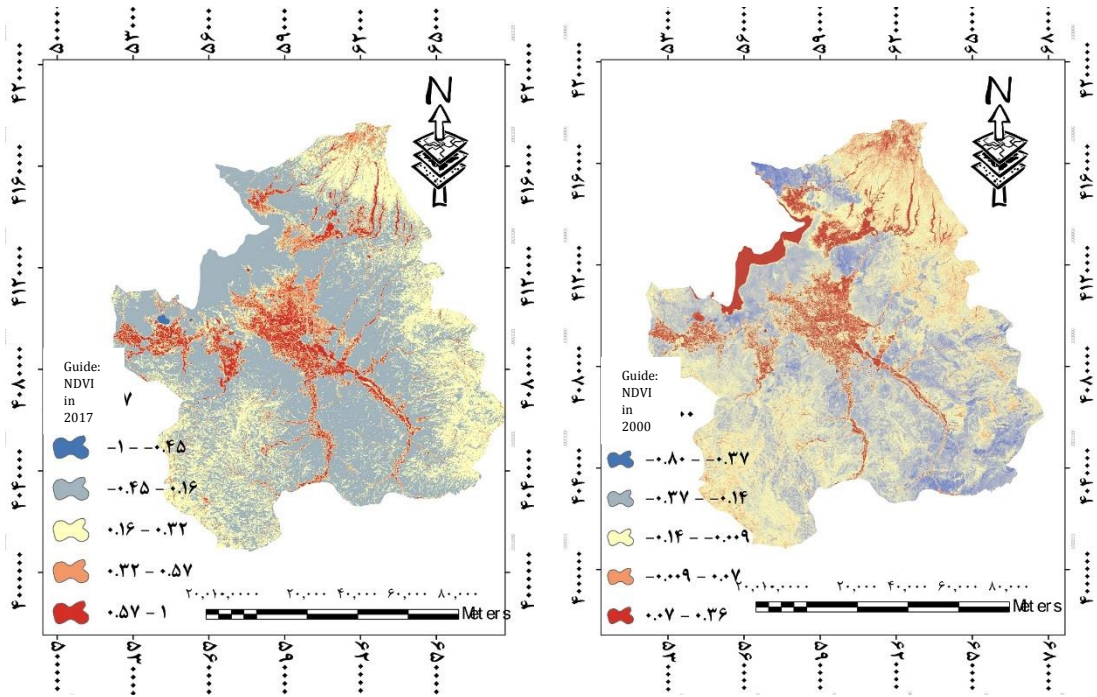


Figure 4) vegetation cover map extracted from NDVI

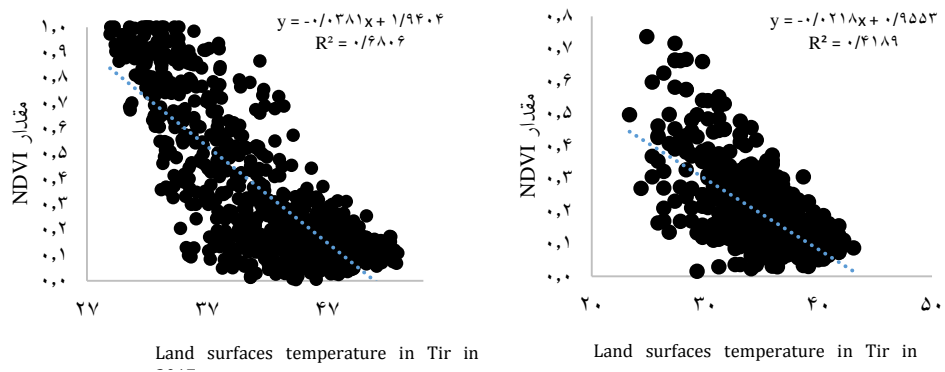
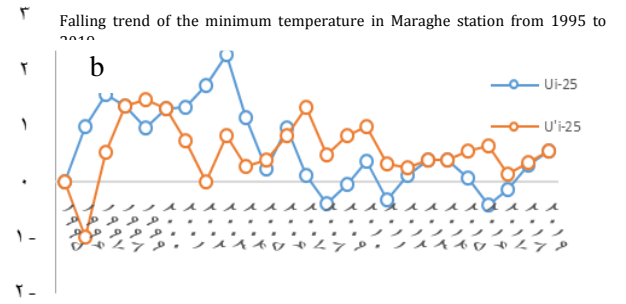
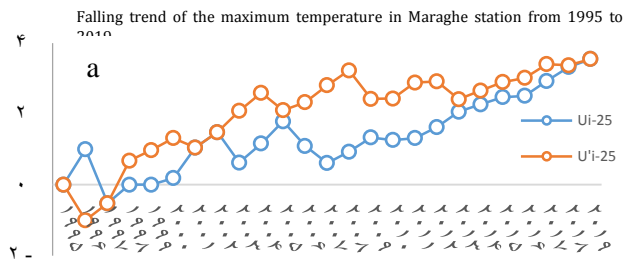
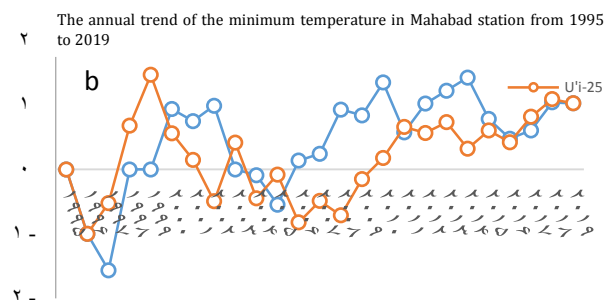
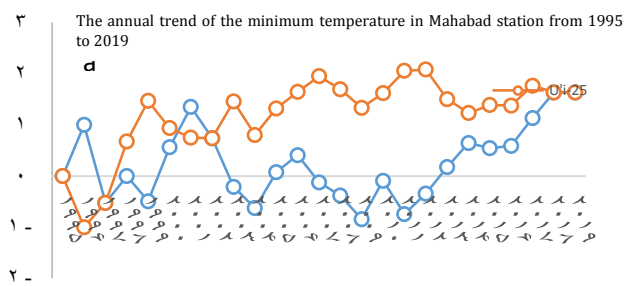


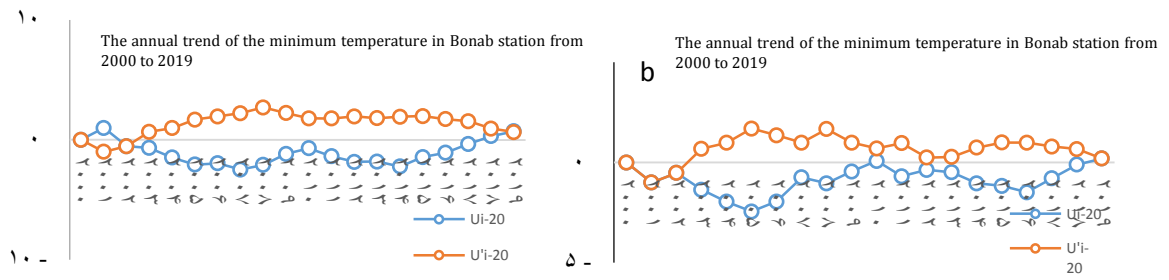
Figure 5) the relationship between the land surface temperature and NDVI



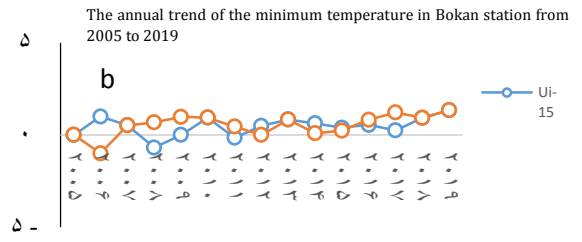
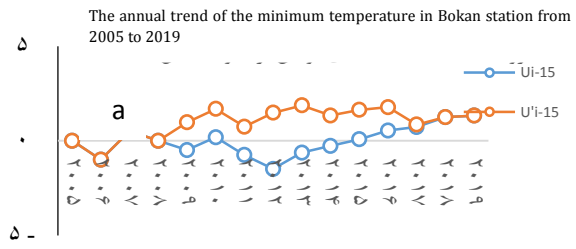
Graph 1) the annual average of the minimum and maximum temperature in Maraghe station



Graph 2) the annual average of the minimum and maximum temperature in Maraghe station

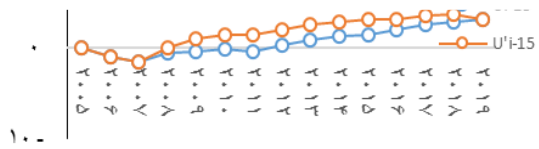


Graph 3) the annual average of the minimum and maximum temperature in Bonab station



Graph 4) the annual average of the minimum and maximum temperature in Bokan station

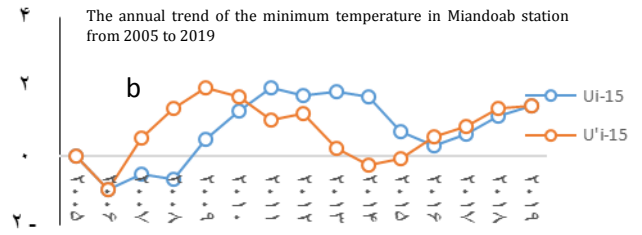
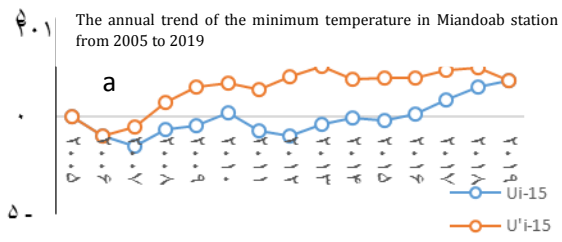
۳.۱۹۱- The annual trend of the minimum temperature in Malekan station from 2005 to 2019



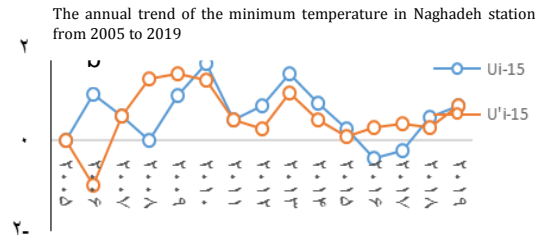
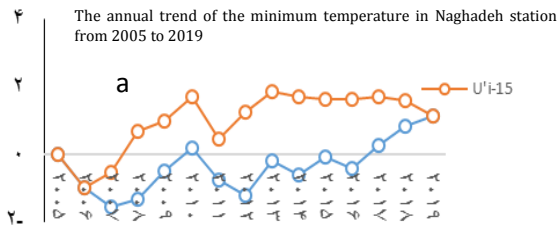
۵ The annual trend of the minimum temperature in Malekan station from 2005 to 2019



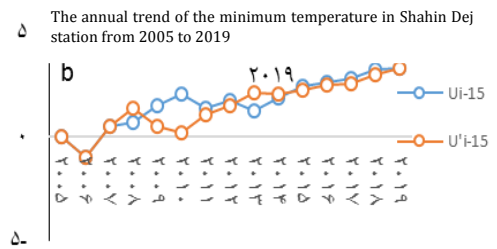
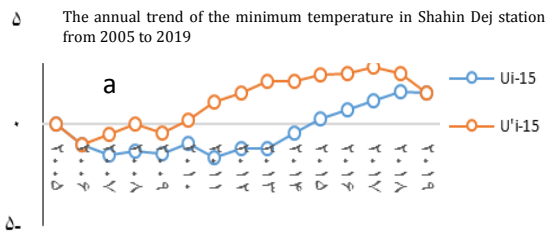
Graph 5) the annual average of the minimum and maximum temperature in Malekan station



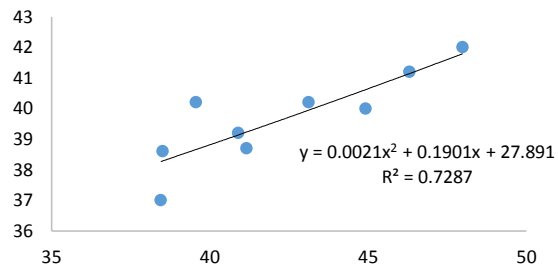
Graph 6) the annual average of the minimum and maximum temperature in Miandoab station



Graph 7) the annual average of the minimum and maximum temperature in Naghadeh station



Graph 8) the annual average of the minimum and maximum temperature in Shahin Dej station



Graph 9) linear regression between the measured data and those of land surface temperature