

SBGC-LSTM is gather dynamic data. Eurygaster's location in the D-dimensional searching space denoted with the by the expression optimization, solution The formula for Eurygaster speed Each Eurygaster moves a (51,52, different speed as they approach the extreme global value. Furthermore, $S_i = (s, 1, 5, 2, \dots)$ C TEMPORAL HIERARCHICAL ARCHITECTURE Following LSTM layers, SBGC-LSTM layers receive scenes where AT E of augmented node features Rvd,. Three SBGC-LSTM layers are stacked in the proposed model to learn the temporal dynamics and spatial arrangement We create a temporal hierarchical design of SBGC-LSTM with average pools in temporal domains and inspired by spatial pooling of CNNs. Due temporal hierarchical architecture, input temporal receptive fields of top SBGC-LSTM layers become short-term fasteners and are more sensitive to temporal dynamics. Moreover, they drastically reduce computing costs while enhancing performances [27]. Particle swarm optimization (PSO) and foraging techniques are used in EOA optimizations, which are modelled after eurygasters: Based on the observation that eurygasters use their antennae to scan their surroundings, this is true. These parameters are initially set to high values, which decrease progressively: as a result, one tries to attain a wide region before reducing to obtain a capacity that is reasonable for Eurygaster. The mark for the correctly detected position is q_n , whereas the left detected position is denoted by q_k . These places include food flavor, which is represented by the fitness function values $f(q_n)$ and $f(q_k)$, which were computed using the recommended method. The EOA algorithm's location and speed updating procedure is as follows: at last 820 where in Eq (14), (A_i) , is the expansion characteristic of combination i at time t . The main point here is that the linear portion and LSTM are distributed among several characteristics. I) LEARNING SBGC-LSTM At the end, the GF and of time stamp are converted as results of f and (owr) ; for CI phases, where (ou) , (ou) , $(ox)a, \dots$. Therefore, to remove the scale variation between the two features, an LSTM layer was applied: $EM = \text{fmlconcar}, Va) = \text{fmlconcar} - f_i - 1$ (14) the decaying weight coefficients.