

as been directed
and Cornuejols
the symmetric
analyze several
atter paper shows
ristics is $\Omega(n)$
routing problem,
havior of the
Very recently,
have developed
tics for a simpler
of a vehicle is
nd on the number of
n contribution is
mation scheme.

veyed the existing
nd scheduling problem
our review that up

considering time windows or due date constraints. The existing literature on (VRSPTW) has been directed primarily at special structures such as the dial-a-ride problem and the school bus scheduling problem. In these areas some progress has been made. Initial developments can also be seen for the (TSPTW). Nevertheless, capacitated problems with time windows have yet to be analyzed. Turning now to the analysis of algorithms, limited computational testing has been the sole means utilized in assessing performance. To our knowledge, with the exception of two papers for vehicle routing, no attempts have been made to obtain analytical results about the behavior of routing and scheduling algorithms. In closing we should remark that research on (VRSPTW) is just beginning. This is witnessed by the majority of papers still in working paper form.