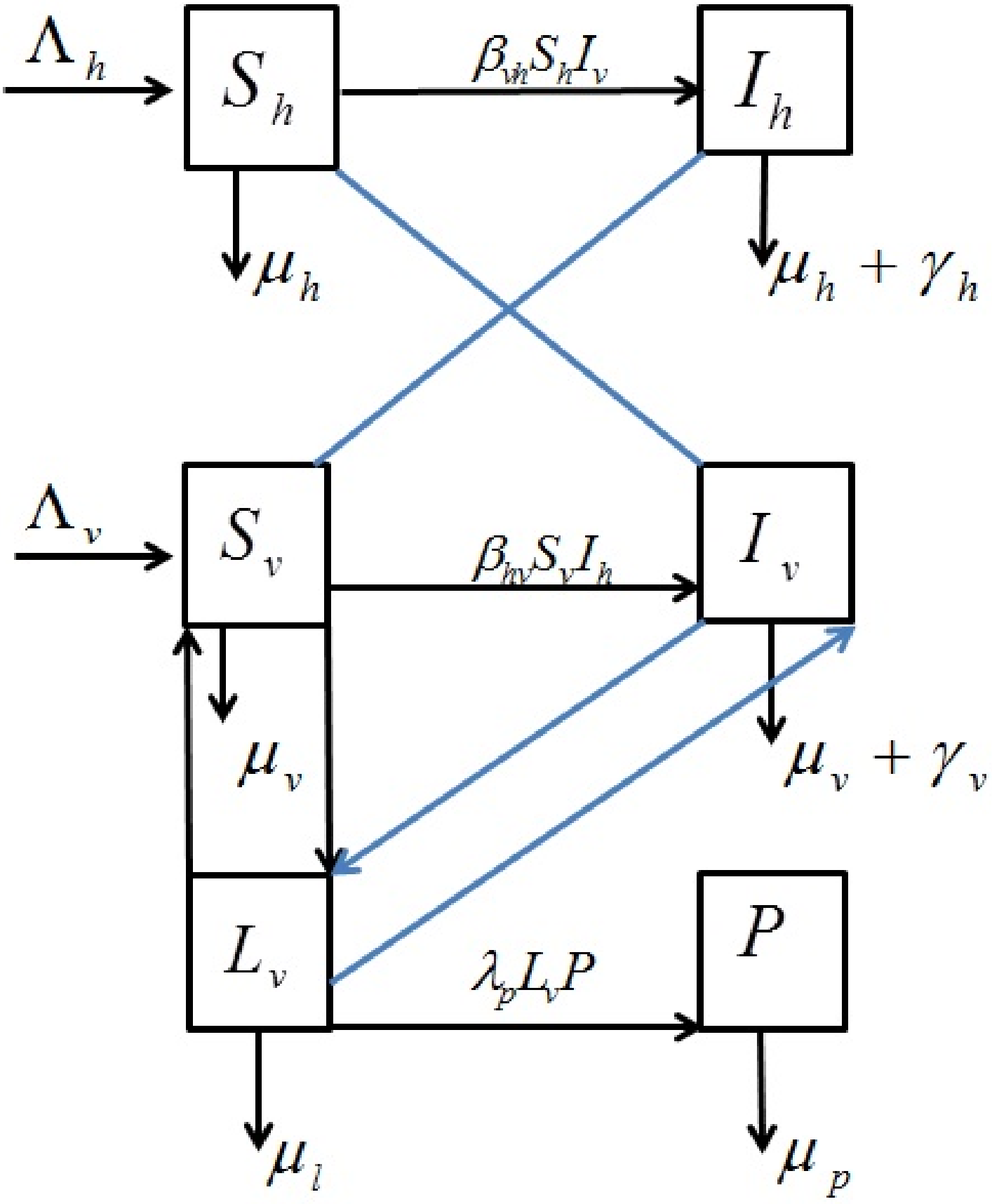
$\Lambda_h$
$S_h$
$\beta_{vh} S_h I_v$
$I_h$
$\mu_h$
$\mu_h + \gamma_h$
$\Lambda_v$
$S_v$
$\beta_{hv} S_v I_h$
$I_v$
$\mu_v$
$\mu_v + \gamma_v$
$L_v$
$\lambda_p L_v P$
$P$
$\mu_l$
$\mu_p$