C_p	Specific heat capacity (kJ/Kg K)
$A = \pi D L n$	Area (M^2)
m_f	Mass flow rate (Kg/s)
Ø	Volume concentration of nanofluids
T	Temperature (℃)
c	Massin kg
k	Thermal conductivity
ρ	Density (kg/m^3)
$\dot{v}$	Volume flow rate
μ	Dynamic viscosity (Ns/m^2)
Nu	Nusselt number
Re	Reynolds number
Pr	Prandtl number
P	Pumping power (W)
ΔP	Pressure drop (N/m^2)
	Friction factor

f	Heat transfer coefficient (W/m^2K)
h	Hydraulic diameter (m)
D_h	Actual heat transfer (W)
q	

Subscripts

p	Nanoparticle
f	Base fluid
nf	Nanofluid
c	Cold fluid
h	Hot fluid
o	Outlet
i	Inlet