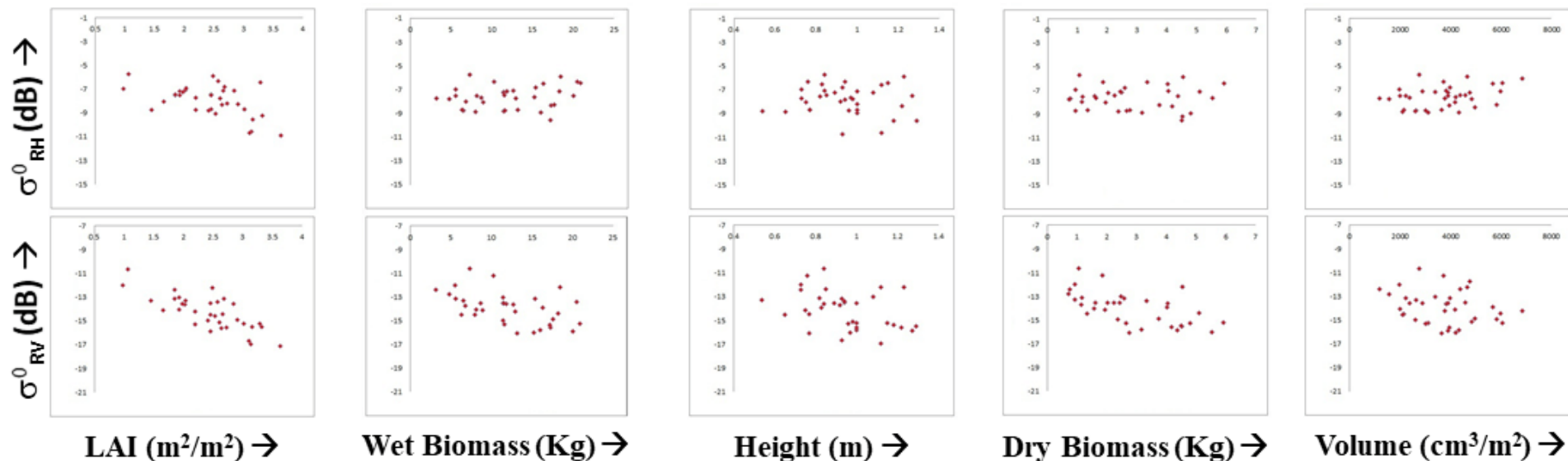


# CROP BIOPHYSICAL PARAMETERS RETRIEVAL OF PADDY USING HYBRID POLARIMETRIC RISAT-1 SAR DATA



<i>Hybrid Polarimetric RISAT-1 SAR Parameters used for Paddy Biophysical Parameters Retrieval</i>			#	<i>Correlation Coefficient (r)</i>				
				<i>Plant Parameters</i>				
				<i>LAI</i>	<i>Wet Biomass</i>	<i>Height</i>	<i>Dry Biomass</i>	<i>Plant Volume</i>
$\sigma^{\circ}_{RH}$	$\sigma^{\circ}_{RV}$		35	0.79	0.8	0.5	0.8	0.66
m- $\delta$ _Even bounce	m- $\delta$ _Odd bounce	m- $\delta$ _Volume	35	0.86	0.83	0.5	0.9	0.77
m- $\chi$ _Even bounce	m- $\chi$ _Odd bounce	m- $\chi$ _Volume	35	0.86	0.83	0.51	0.83	0.76
m- $\alpha$ _Even bounce	m- $\alpha$ _Odd bounce	m- $\alpha$ _Volume	35	0.87	0.85	0.57	0.82	0.75
m- $\psi$ _Even bounce	m- $\psi$ _Odd bounce	m- $\psi$ _Volume	35	0.89	0.83	0.68	0.82	0.76