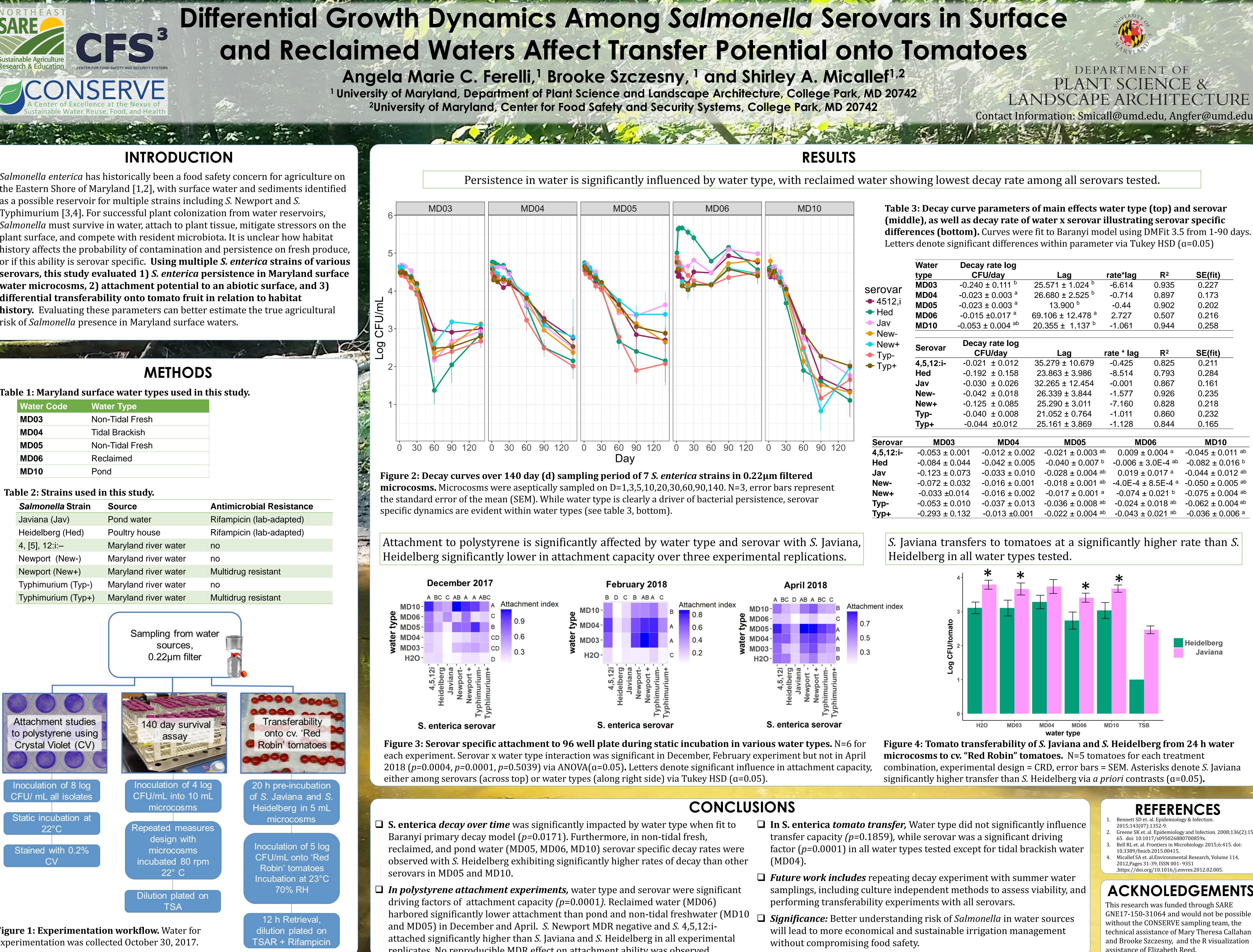


Water Code	Water Type
MD03	Non-Tidal Fresh
MD04	Tidal Brackish
MD05	Non-Tidal Fresh
MD06	Reclaimed
MD10	Pond

Salmonella Strain	Source	Antimicrobial Resistance
Javiana (Jav)	Pond water	Rifampicin (lab-adapted)
Heidelberg (Hed)	Poultry house	Rifampicin (lab-adapted)
4, [5], 12:i:—	Maryland river water	no
Newport (New-)	Maryland river water	no
Newport (New+)	Maryland river water	Multidrug resistant
Typhimurium (Typ-)	Maryland river water	no
Typhimurium (Typ+)	Maryland river water	Multidrug resistant



Water	Deca	ay rate log					
type		FU/day	Lag		rate*lag	R ²	SE(fit)
MD03	-0.24	0 ± 0.111 ^b	25.571 ± 1.02	24 ^b	-6.614	0.935	0.227
MD04	-0.02	3 ± 0.003 ^a	26.680 ± 2.52	25 ^b	-0.714	0.897	0.173
MD05	-0.02	3 ± 0.003 ^a	13.900 ^b		-0.44	0.902	0.202
MD06	-0.01	5 ±0.017 ^a	69.106 ± 12.4	78 ^a	2.727	0.507	0.216
MD10	-0.05	3 ± 0.004 ^{ab}	20.355 ± 1.13	37 ^b	-1.061	0.944	0.258
Decay rate log							
Serovar		CFU/day	Lag	r	rate * lag	R ²	SE(fit)
4,5,12:i-	-0.0	21 ± 0.012	35.279 ± 10.6	679	-0.425	0.825	0.211
Hed	-0.1	92 ± 0.158	23.863 ± 3.9	86	-8.514	0.793	0.284
Jav	-0.0	30 ± 0.026	32.265 ± 12.4	154	-0.001	0.867	0.161
New-	-0.0	42 ± 0.018	26.339 ± 3.8	44	-1.577	0.926	0.235
New+	-0.1	25 ± 0.085	25.290 ± 3.0	11	-7.160	0.828	0.218
Тур-	-0.0	40 ± 0.008	21.052 ± 0.7	64	-1.011	0.860	0.232
Тур+	-0.0)44 ±0.012	25.161 ± 3.8	69	-1.128	0.844	0.165
 MD03 MD04		MDO	5	Μ	D06	MD10	
-0.053 ± 0	.001	-0.012 ± 0.00	$02 -0.021 \pm 0$	003 ab	0.009	± 0.004 a	-0.045 ± 0.011
-0.084 ± 0	.044	-0.042 ± 0.00	$05 -0.040 \pm 0$.007 b	-0.006 =	± 3.0E-4 ^{ab}	-0.082 ± 0.01
-0.123 ± 0	0.073	$-0.033 \pm 0.0^{\circ}$	10 -0.028 ± 0	.004 ^{ab}	0.019	± 0.017 a	-0.044 ± 0.012
-0.072 ± 0	0.032	-0.016 ± 0.00	-0.018 ± 0	.001 ab	-4.0E-4	± 8.5E-4 a	-0.050 ± 0.005
-0.033 ±0	.014	-0.016 ± 0.00	$02 -0.017 \pm 0$.001 a	-0.074	± 0.021 b	-0.075 ± 0.004
-0.053 ± 0	0.010	-0.037 ± 0.07	13 -0.036 ± 0	.008 ab	-0.024	± 0.018 ^{ab}	-0.062 ± 0.004
-0.293 ± 0).132	-0.013 ±0.00	-0.022 ± 0	.004 ab	-0.043	± 0.021 ^{ab}	-0.036 ± 0.00

	Тур+ -0	.044 ±0.012	25.161 ± 3.869	-1.128 0.844	0.165	
Serovar	MD03	MD04	MD05	MD06	MD10	
4,5,12:i-	-0.053 ± 0.001	-0.012 ± 0.002	-0.021 ± 0.003 ^{ab}	0.009 ± 0.004 ª	-0.045 ± 0.011 ^{ab}	
Hed	-0.084 ± 0.044	-0.042 ± 0.005	-0.040 ± 0.007 b	-0.006 ± 3.0E-4 ^{ab}	-0.082 ± 0.016 ^b	
Jav	-0.123 ± 0.073	-0.033 ± 0.010	-0.028 ± 0.004 ab	0.019 ± 0.017 ª	-0.044 ± 0.012 ^{ab}	
New-	-0.072 ± 0.032	-0.016 ± 0.001	-0.018 ± 0.001 ^{ab}	-4.0E-4 ± 8.5E-4 ^a	-0.050 ± 0.005 ^{ab}	
New+	-0.033 ±0.014	-0.016 ± 0.002	-0.017 ± 0.001 a	-0.074 ± 0.021 ^b	-0.075 ± 0.004 ^{ab}	
Тур-	-0.053 ± 0.010	-0.037 ± 0.013	-0.036 ± 0.008 ^{ab}	-0.024 ± 0.018 ^{ab}	-0.062 ± 0.004 ^{ab}	
Тур+	-0.293 ± 0.132	-0.013 ±0.001	-0.022 ± 0.004 ^{ab}	-0.043 ± 0.021 ^{ab}	-0.036 ± 0.006 ^a	

- Greene SK et. al. Epidemiology and Infection. 2008;136(2):157-

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