1035-34-1112 **Haewon Lee** (`mathhaewon@yahoo.com`), Division of Natural Sciences, Dillard University, 2601 Gentilly Boulevard, New Orleans, LA 70122, **Hadi Alkahby\*** (`halkahby@dillard.edu`), Division of Natural Sciences, Dillard University, 2601 Gentilly Boulevard, New Orleans, LA 70122, and **Gaston N'Gurkata** (`gnguerek@morgan.edu`), Department of Mathematics, Morgan State University, 1700 E. Cold Spring Lane, Bartimore, MD 21251. *Stepanov-like Almost Automorphic Solutions of Semilinear Evolution Equations with Deviated Argument.*

We consider the existence and uniqueness of a Stepanov-like almost automorphic solution to the autonomous semilinear evolution equations with a deviated argument:

$$u'(t) = Au(t) + f(t, u(t), u[\alpha(t, u(t))]),\ t \in \mathbb{R}$$

where $A$ is the infinitesimal generator of an exponentially stable $C_0$-semigroup $\{T(t)\}_{t \geq 0}$ and $f : \mathbb{R} \times X \times X \to X$ satisfies a Lipschitz-type condition with respect to second and third arguments. (Received September 18, 2007)